

Literaturverzeichnis

- Adachi M., Yang Y., Furuichi Y., und Miyamoto C. Cloning and characterization of the cDNA encoding the human A-type endothelin-receptor. *Biochem Res Commun*, 180:1265–1272, 1991.
- Andersen-Beck B., Dehe M., Schulein R., Wiesner B., Rutz C., Liebenhoff U., Rosenthal W., und Oksche. A. Polarized expression of the vasopressin V2 receptor in madin-darby canine kidney cells. *Kidney Int*, 56:517–527, 1999.
- Arai H., Hori S., Aramori I., Ohkubo H., und Nakanishi S. Cloning and expression of a cDNA encoding an endothelin receptor. *Nature*, 348:730–732, 1990.
- Aramori I. und Nakanishi S. Coupling of two endothelin receptor subtypes to differing signal transduction in transfected chinese hamster ovary cells. *J Biol Chem*, 267:12468–12474, 1992.
- Barak L., Ferguson S., Zhang J., Martenson C., Meyer T., und Caron M. Internal trafficking and surface mobility of a functionally intact 2-adrenergic receptor-green fluorescent protein conjugate. *Mol Pharmacol*, 51:177–184, 1997.
- Battistini B., Chailler P., D’Orleans-Juste P., Briere N., und Sirois P. Growth regulatory properties of endothelins. *Peptides*, 14:385–399, 1993.
- Baynash A., Hosoda K., Giard A., Richardson J., Emoto N., Hammer R., und Yanagisawa M. Interaction of endothelin-3 with endothelin-B receptor is essential for development of epidermal melanocytes and enteric neurons. *Cell*, 79:1277–1285, 1994.

- Beau I., Groyer-Picard M., Bivics A. L., Vannier B., Loosfelt H., Milgrom E., und Misrahi M. The basolateral localization signal of the follicle-stimulating hormone receptor. *J Biol Chem*, 273:18610–18616, 1998.
- Benting J., Rietveld A., und Simons K. N-glycans mediate the apical sorting of a GPI-anchor, raft-associated protein in madin darby canine kidney cells. *J Cell Biol*, 146:313–320, 1999.
- Bremnes T., Paasche J., Mehlum A., Bremnes C. S. B., und Attramadal H. Regulation and intracellular trafficking pathways of the endothelin receptors. *J Biol Chem*, 275:17596–17604, 2000.
- Brewer C. und Roth M. A single amino acid change in the cytoplasmic domain alters the polarized delivery of influenza viral hemagglutinin. *J Cell Biol*, 114: 413–421, 1991.
- Brown D. und Stow J. Protein trafficking and polarity in kidney epithelium: From cell biology to physiology. *Physiological Reviews*, 76:245–297, 1996. Review.
- Casanova J., Apodaca G., und Mostov K. An autonomous signal for basolateral sorting in the cytoplasmic domain of the polymeric immunoglobulin receptor. *Cell*, 66:65–75, 1991.
- Chalfie M., Tu Y., Euskirchen G., Ward W., und Prasher D. Green fluorescent protein as a marker for gene expression. *Science*, 263:802–805, 1994.
- Chen W., Goldstein J., und Brown M. NPXY, a sequence often found in cytoplasmic tails, is required for coated pit-mediated internalization of the low density lipoprotein receptor. *J Biol Chem*, 265:3116–3123, 1990.
- Chuang J. und Sung C. The cytoplasmic tail of rhodopsin acts as a novel apical sorting signal in polarized MDCK cells. *J Cell Biol*, 142:1245–1256, 1998.
- Chun M., Lin H., Henis Y., und Lodish H. Endothelin-induced endocytosis of cell surface ETA receptors. Endothelin remains intact and bound to the ETA receptor. *J Biol Chem*, 270:10855–10860, 1995.
- Chun M., Liyanage U., Lisanti M., und Lodish H. Signal transduction of a G protein-coupled receptor in caveolae: Colocalization of endothelin and its receptor with caveolin. *Proc Natl Acad Sci USA*, 91:11728–11732, 1994.

- Cornea A., Janovick J., Lin X., und Conn P. Simultaneous and independent visualization of the gonadotropin-releasing hormone receptor and its ligand: Evidence for independent processing and recycling in living cells. *Endocrinology*, 140:4272–4280, 1999.
- Cramer H., Esterl W. M., und Schroeder C. Subtype-specific desensitization of human endothelin ETA and ETB receptors reflects differential receptor phosphorylation. *Biochem*, 36:13325–13332, 1997.
- Cubitt A., Heim R., Adams S., Boyd A., Gross L., und Tsien R. Understanding, improving and using green fluorescent protein. *TiBS*, 20:448–455, 1995.
- Daub H., Weis C., Wallasch C., und Ullrich A. Role of transactivation of EGF receptor in signalling by G-protein coupled receptors. *Nature*, 379:557–560, 1996.
- Daukas G. und Zigmond S. Inhibition of receptor-mediated but not fluid-phase endocytosis in polymorphonuclear leukocytes. *J Cell Biol*, 101:1673–1679, 1985.
- Déry O., Thoma M., Wong H., Grady E., und Bunnett N. Trafficking of proteinase-activated receptor-2 and beta-arrestin-1 tagged with green fluorescent protein beta-arrestin-dependent endocytosis of a proteinase receptor. *J Biol Chem*, 274:18524–18535, 1999.
- Dunn W., Hubbard A., und Aronson N. Low temperature selectively inhibits fusion between pinocytic vesicles and lysosomes during heterophagy of ^{125}I -asialofetuin by the perfused rat liver. *J Biol Chem*, 255:5971–5978, 1980.
- Duzic E. und Lanier S. Factors determining the specificity of signal transduction by guanine nucleotide-binding protein-coupled receptors. *J Biol Chem*, 267:24045–24052, 1992.
- Eguchi S., Hirata Y., Imai T., und Marumo F. Endothelin receptor subtypes are coupled to adenylate cyclase via different guanyl nucleotide-binding proteins in vasculature. *Endocrinology*, 132:524–529, 1993.
- Elschourbagy N., Adamou J., Gagnon A., Pullen H., und Nambi P. Molecular characterization of a novel human endothelin receptor splice variant. *J Biol Chem*, 271:25300–25307, 1996.

- Ferguson S. Evolving concepts in G-protein coupled receptor endocytosis: The role in receptor desensitization and signaling. *Pharmacol Rev*, 53(1):1–24, 2001.
- Feron O., Zhao Y., und Kelly R. The ins and outs of caveolar signaling. m₂ muscarinic cholinergic receptors and eNOS activation versus neuregulin and ErbB4 signaling in cardiac myocytes. *Ann NY Acad Sci*, 874:11–19, 1999.
- Fölsch H., Ohno H., Bonifacino J., und Mellman I. A novel clathrin adaptor complex mediates basolateral targeting in polarized epithelial cells. *Cell*, 99: 189–198, 1999.
- Fredericks Z., Pitcher J., und Lefkowitz R. Identification of the G-protein coupled receptor kinase phosphorylation sites in the human beta₂-adrenergic receptor. *J Biol Chem*, 271:13796–13803, 1996.
- Freedman N., Ament A., Oppermann M., Stoffel R., Exum S., und Lefkowitz R. Phosphorylation and desensitization of human endothelin A and B receptors. Evidence for G protein-coupled receptor kinase specificity. *J Biol Chem*, 272: 17734–17743, 1997.
- Gariepy C., Cass D., und Yanagisawa M. Null mutation of endothelin receptor type B gene in spotting lethal rats causes aganglionic megacolon and white coat color. *Proc Natl Acad Sci*, 93:867–872, 1996.
- Ghinea N., Hai M. V., Picard M. G., Houllier A., Schoevaert D., und Milgrom E. Pathways of internalization of the hCG/LH receptor: Immunoelectron microscopic studies in Leydig cells and transfected L-cells. *J Cell Biol*, 118:1347–1358, 1992.
- Ghosh R. und Maxfield F. Evidence for nonvectorial, retrograde transferrin trafficking in the early endosomes of HEp2 cells. *J Cell Biol*, 128:549–561, 1995.
- Gicquiaux H., Lecat S., Gaire M., Dieterlen A., Mely Y., Takeda K., Bucher B., und Galzi J. Rapid internalization and recycling of the human neuropeptideY Y(1) receptor. *J Biol Chem*, 277:6645–6655, 2002.
- Gruenberg J. und Maxfield F. Membrane transport in the endocytic pathway. *Current Opinion in Cell Biology*, 7:552–563, 1995.

- Harrison V., Barnes K., Turner A., Wood E., Corder R., und Vane J. Identification of endothelin 1 and big endothelin 1 in secretory vesicles isolated from bovine aortic endothelial cells. *Proc. Natl. Acad. Sci.*, 92:6344–6348, 1995.
- Hasbi A., Allouche S., Sichel F., Stanasila L., Massotte D., Landemore G., Polastron J., und Jauzac P. Internalization and recycling of delta-opioid receptor are dependent on a phosphorylation-dephosphorylation mechanism. *J Pharm Exp Ther*, 293:237–247, 2000.
- Hawes B., van Büsen T., Koch W., Luttrell L., und Lefkowitz R. Distinct pathways of Gi- and Gq- mediated mitogen-activated protein kinase activation. *J Biol Chem*, pages 17148–17153, 1995.
- Haynes W. und Webb D. Contribution of endogenous generation of endothelin-1 to basal vascular tone. *The Lancet*, 344:852–854, 1994.
- Hein L., Ishii K., Coughlin S., und Kobilka B. Intracellular targeting and trafficking of thrombin receptors. A novel mechanism for resensitization of a G protein-coupled receptor. *J Biol Chem*, 269:27719–27726, 1994.
- Hein L., Meinel L., Pratt R., Dzau V., und Kobilka B. Intracellular trafficking of angiotensin II and its AT1 and AT2 receptors: Evidence for selective sorting of receptor and ligand. *Mol Endocrinol*, 11:1266–1277, 1997.
- Heuser J. und Anderson R. Hypertonic media inhibit receptor-mediated endocytosis by blocking clathrin-coated pit formation. *J Cell Biol*, 108:389–400, 1989.
- Hosoda K., Hammer R., Richardson J., und Cheung A. B. J. Targeted and natural (Piebald-lethal) mutations of endothelin-B receptor gene produce megacolon associated with spotted coat color in mice. *Cell*, pages 1267–1276, 1994.
- Hosoda K., Nakao K., Tamura N., Arai H., Ogawa Y., Suga S., Nakanishi S., und Imura H. Organization, structure, chromosomal assignment and expression of the gene encoding the human endothelin-A receptor. *J Biol Chem*, 267:18797–18804, 1992.

- Innamorati G., Gouill C. L., Balamotis M., und Birnbaumer M. The long and the short cycle: alternative intracellular routes for G-protein coupled receptors trafficking. *J Cell Biol*, 276:13096–13103, 2001.
- Jacobson K. und Dietrich C. Looking at lipid rafts ? *Trends Cell Biol*, 9:87–91, 1999.
- Jockers R., Silva A. D., Strosberg A., Bouvier M., und Marullo S. New molecular and structural determinants involved in β 2-adrenergic receptor desensitization and sequestration: Delineation using chimeric β 3/ β 2-adrenergic receptors. *J Biol Chem*, 271:9355–9362, 1996.
- Kallal L. und Benovic J. Using green fluorescent protein to study G-protein-coupled receptor localization and trafficking. *TiPS*, 21(175-180), 2000.
- Karne S., Jayawickreme C., und Lerner M. Cloning and characterization of an endothelin-3 specific receptor (ETc-receptor) from Xenopus Laevis dermal melanophores. *J Biol Chem*, 268:19126–19133, 1993.
- Keller P. und Simons K. Cholesterol is required for surface transport of influenza virus hemagglutinin. *J Cell Biol*, 140:1357–1367, 1998.
- Keller P., Toomre D., Díaz E., White J., und Simons K. Multicolour imaging of post-golgi sorting and trafficking in live cells. *Nature Cell Biol*, 3:140–148, 2001.
- Kishi M., Liu X., Hirakawa T., Reczek D., Bretscher A., und Ascoli M. Identification of two distinct structural motifs that, when added to the C-terminal tail of the rat LH receptor, redirect the internalized hormone-receptor complex from a degradation to a recycling pathway. *Mol Endocrinol*, 15:1624–1635, 2001.
- Kowalczyk A. und McKeown-Longo P. Basolateral distribution of fibronectin matrix assembly sites on vascular endothelial monolayers is regulated by substratum fibronectin. *J Cell Physiol*, 152:126–134, 1992.
- Kreda S., Pickles R., Lazarowski E., und Boucher R. G-protein-coupled receptor as targets for gene transfer vectors using natural small-molecule ligands. *Nat Biotech*, 18:635–640, 2000.

- Krueger K., Daaka Y., Pitcher J., und Lefkowitz R. The role of sequestration in G-protein-coupled receptor resensitization. Regulation of beta₂-adrenergic receptor dephosphorylation by vesicular acidification. *J Cell Physiol*, 272:5–8, 1997.
- Krystek S., Patel P., Rose P., Fisher S., Kienzle B., Lach D., Liu E., Lynch J., Novotny J., und Webb M. Mutation of the peptide binding site in transmembrane region of a G protein-coupled receptor accounts for endothelin receptor subtype selectivity. *J Biol Chem.*, 269:12383–12386, 1994.
- Kuehn M. und Scheckman R. COPII and secretory cargo capture into transport vesicles. *Curr Opin Cell Biol*, 9:477–483, 1997.
- Llopis J., McCaffery J., Miyawaki A., Farquhar M., und Tsien R. Measurement of cytosolic, mitochondrial, and Golgi pH in single living cells with green fluorescent proteins. *Proc Natl Acad Sci USA*, 95:6803–6808, 1998.
- Luecke H., Schobert B., Lanyi J., Spudich E., und Spudich J. Crystal structure of sensory rhodopsin II at 2.4 angstroms: insights into color tuning and transducer interaction. *Science*, 293:1499–1503, 2001.
- Maemura K., Kurihara H., Kurihara Y., Kuwaki T., Kumada M., und Yazaki Y. Gene expression of endothelin isoforms and receptors in endothelin-1 knockout mice. *J Cardiovasc Pharm*, 26:S17–S21, 1995.
- Marsault R., Feolde E., und Frelin C. Receptor externalization determines sustained contractile responses to endothelin-1 in the rat aorta. *Am J Physiol*, 264:C687–C693, 1993.
- Mattia E., Rao K., Shapiro D., Sussman H., und Klausner R. Biosynthetic regulation of the human transferrin receptor by desferrioxamine in K562 cells. *J Biol Chem*, 259:2689–2692, 1984.
- Maxfield F. und Yamashiro D. Acidification of organelles and the intracellular sorting of proteins during endocytosis. *Cambridge Univ Press*, pages 157–182, 1991.

- Mayor S., Presley J., und Maxfield F. Sorting of membrane components from endosomes and subsequent recycling to the cell surface occurs by a bulk flow process. *J Cell Biol*, 121:1257–1269, 1993.
- Milligan G. Exploring the dynamics of regulation of G protein-coupled receptors using green fluorescent protein. *Br J Pharmacol*, 128:501–510, 1999.
- Mostov K., Verges M., und Altschuler Y. Membrane traffic in polarized epithelial cells. *Current Opinion in Cell Biology*, 12:483–490, 2000.
- Muth T., Ahn J., und Caplan M. Identification of sorting determinants in the C-terminal cytoplasmic tails of the g-aminobutyric acid transporters GAT-2 and GAT-3. *J Biol Chem*, 273:25616–25627, 1998.
- Nadler L., Kumar G., Hinds T., Migeon J., und Nathanson N. Asymmetric distribution of muscarinic acetylcholine receptors in madin-darby canine kidney cells. *Am J Physiol*, pages C1220–C1228, 1999.
- Neer E. Heterotrimeric G proteins: Organizers of transmembrane signals. *Cell*, 80:249–257, 1995.
- Nishizuka Y. Intracellular signaling by hydrolysis of phospholipids and activation of protein kinase C. *Science*, 258:607–614, 1992.
- Oakley R., Laporte S., Holt J., Caron M., und Barak L. Differential affinities of visual arrestin, β -arrestin1 and β -arrestin2 for G protein-coupled receptors delineated two major classes of receptors. *J Biol Chem*, 275:17201–17210, 2000.
- Ohuchi T., Kuwaki T., Ling G., Dewit D., Ju K., Onodera M., Cao W., Yanagisawa M., und Kumada M. Elevation of blood pressure by genetic and pharmacological disruption of the ETB receptor in mice. *Am J Physiol*, 276:R1071–1077, 1999.
- Okamoto Y., Ninomiya H., Miwa S., und Masaki T. Cholesterol oxidation switches the internalization pathway of endothelin receptor type A from caveolae to clathrin-coated pits in Chinese hamster ovary cells. *J Biol Chem*, 275:6439–6446, 2000.

- Oksche A., Boese G., Horstmeyer A., Furkert J., Beyermann M., Bienert M., und Rosenthal W. Late endosomal/lysosomal targeting and lack of recycling of the ligand-occupied endothelin B receptor. *Mol Pharmacology*, 57:1104–1113, 2000a.
- Oksche A., Boese G., Horstmeyer A., Papsdorf G., Furkert J., Beyermann M., Bienert M., und Rosenthal W. Evidence for downregulation of the endothelin-B-receptor by the use of fluorescent endothelin-1 and a fusion protein consisting of the endothelin-B-receptor and the green fluorescent protein. *J Cardiov. Pharm.*, 36:44–47, 2000b.
- Orzech E., Schlessinger K., Weiss A., Okamoto C., und Aroeti B. Interactions of the AP-1 golgi adaptor with the polymeric immunoglobulin receptor and their possible role in mediating brefeldin A-sensitive basolateral targeting from the trans-golgi network. *J Biol Chem*, 274:2201–2215, 1999.
- Paasche J., Attramadal T., Sandberg C., und Attramadal H. J. H. Mechanisms of endothelin receptor subtype-specific targeting to distinct intracellular trafficking pathways. *J Biol Chem*, 276:34041–34050, 2001.
- Patterson G., Knobel S., Sharif W., Kain S., und Piston D. Use of the green fluorescent protein and its mutants in quantitative fluorescence microscopy. *Biophys J*, 73:2782–2790, 1997.
- Peifer M. und Tepass U. Which way is up ? *Nature*, 403:611–612, 2000.
- Penn R., Pronin A., und Benovic J. Regulation of G protein-coupled receptor kinases. *T Cardiov Med*, 10(2):81–88, 2000.
- Perego C., Vanoni C., Villa A., Longhi R., Kaech S., Frohli E., Hajnal A., Kim S., und Pietrini G. PDZ-mediated interactions retain the epithelial GABA transporter on the basolateral surface of polarized epithelial cells. *EMBO*, 18: 2384–2393, 1999.
- Prasher D., Eckenrode V., Ward W., und Cormier F. P. M. Primary sturcture of the *Aequorea victoria* green fluorescent protein. *Gene*, 111:229–233, 1992.
- Rodriguez-Boulan E. und Gonzalez A. Glycans in post-golgi apical targetin: sorting signals or structural props ? *Trends Cell Biol*, 9:291–294, 1999.

- Roettger B., Rentsch R., Pinon D., Holicky E., JM E. H., Larkin, und Miller L. Dual pathways of internalization of the cholecystokinin receptor. *J Cell Biol*, 128:1029–1041, 1995.
- Rose P., Krystek S., Patel P., Liu E., Lynch J., Lach D., Fisher S., und Webb M. Aspartate mutation distinguishes ETA but not ETB receptor subtype-selective ligand binding while abolishing phospholipase C activation in both receptors. *FEBS*, 361:243–249, 1995.
- Roush D., Gottardi C., Naim H., Roth M., und Caplan M. Thyrosine-based membrane protein sorting signals are differentially interpreted by polarized madin-darby canine kidney and LLC-PK1 epithelial cells. *J Biol Chem*, 273: 26862–26869, 1998.
- Rybin V., Xu X., Lisanti M., und Steinberg S. Differential targeting of beta-adrenergic receptor subtypes and adenylyl cylase to cardiomyocyte caveolae. A mechanism to functionally regulate the cAMP signaling pathway. *J Biol Chem*, 275(52):41447–41457, 2000.
- Sabourin T., Bastien L., Bachvarov D., und Marceau F. Abonist-induced translocation of the kinin B(1) receptor to caveolae-related rafts. *Mol Pharm*, 61: 546–553, 2002.
- Sakamoto A., Yanagisawa M., Sakurai T., Takuwa Y., Yanagisawa H., und Masaki T. Cloning and functional expression of human cDNA for the ETB endothelin receptor. *Biochem Biophys Res Commun*, 278:656–663, 1991.
- Sakamoto A., Yanagisawa M., Sawamura T., Enoki T., Ohtani T., Sakurai T., Nakao K., Toyo-oka T., und Masaki T. Distinct subdomains of human endothelin receptors determine their selectivity to endothelinA-selective antagonist and endothelinB-selective agonists. *J Biol Chem*, 268:8547–8553, 1993.
- Sakurai T., Yanagisawa M., Takuwa Y., Miyazaki H., Kimura S., Goto K., und Masaki T. Cloning of a cDNA encoding a non-isopeptide-selective subtype of the endothelin receptor. *Nature*, 348:732–735, 1990.
- Saunders C., Keefer J., Bonner C., und Limbird L. Targetion of G protein coupled receptors to the basolateral surface of polarized renal epithelial cells involves

- multiple non-contiguous structural signals. *J Biol Chem*, 273:24196–24206, 1998.
- Saunders C., Keefer J., Kennedy A., Wells J., und Limbird L. Receptor coupled to pertussis toxin-sensitive G protein traffic to opposite surfaces in madin-darby canine kidney cells. *J Biol Chem*, 271(2):995–1002, 1996.
- Schramek H., Wang Y., Konieczkowski M., Rose R., Sedor J., und Dunn M. Endothelin-1 stimulates cytosolic phospholipase A2 in chinese hamster ovary cells stable expressing the human ETA or ETB receptor subtype. *Biochem Biophys Res Commun*, 199:992–997, 1994.
- Shyamala V., Moulthrop T., und Stratton J. Two distinct human endothelin B receptor generated by alternative splicing from a single gene. *Cell Mol Biol Res*, 40:285–296, 1994.
- Slice L., Yee H. J., und Walsh J. Visualization of internalization and recycling of the gastrin releasing peptide receptor-green fluorescent protein chimera expressed in epithelial cells. *Recept Channels*, 6:201–212, 1998.
- Sokolovsky M. Endothelin receptor subtypes and their role in transmembrane signaling mechanisms. *Pharmacol Ther Pharmacol Ther*, 68:435–471, 1995.
- Southwell B., Seybold V., Woodman H., Jenkinson K., und Furness J. Quantitation of neurokinin 1 receptor internalization and recycling in guinea-pig myenteric neurons. *Neuroscience*, 87:925–931, 1998.
- Strader C., Fong T., Tota M., Underwood D., und Dixon R. Structure and function of G protein-coupled receptors. *Annu Rev Biochem*, 63:101–132, 1994.
- Takasaki C., Tamiya N., Bdolah A., und Kochva Z. W. E. Sarafotoxins S6 several isotoxins from *Atractaspis engaddensis* (burrowing asp) venom that affect the heart. *Toxicon*, 26:543–548, 1988.
- Takemoto F., Uchida S., Katagiri H., Nakao Y. O. A., und Kurokawa K. Desensitization of endothelin-1 binding by vasopressin via a cAMP-mediated pathway in rat CCD. *Am J Physiol*, 37:F385–F390, 1995.

- Takuwa Y., Kasuya Y., Takuwa N., Kudo M., Yanagisawa M., Goto K., Masaki T., und Yamashita K. Endothelin receptor is coupled to phospholipase C via a pertussis toxin-insensitive guanine nucleotide-binding regulatory protein in vascular smooth muscle cells. *J.Clin.Invest.*, 85:653–658, 1990.
- Tarasova N., Stauber R., Choi J., Hudson E., Czerwinski G., Miller J., Pavlakis G., Michejda C., und Wank S. Visualization of G protein-coupled receptor trafficking with the aid of the green fluorescent protein Endocytosis and recycling of cholecystokinin receptor type A. *J Biol Chem*, 272:14817–14824, 1997.
- Tirindelli N. R. R. A novel GTP-binding protein gamma-subunit, G gamma 8, is expressed during neurogenesis in the olfactory and vomeronasal neuroepithelia. *J Biol Chem*, 270:6757–67, 1995.
- Trejo J. und Coughlin S. The cytoplasmic tails of protease-activated receptor-1 and substance P receptor specify sorting to lysosomes versus recycling. *J Biol Chem*, 274:2216–2224, 1999.
- Vanhoute G. R. P. Hypoxia releases a vasoconstrictive substance from the canine vascular endothelium. *J Physiol (London)*, 364:45–56, 1985.
- Waggoner W., Genova S., und Rash V. Kinetic analyses demonstrate that the equilibrium assumption does not apply to [¹²⁵I]endothelin-1 binding data. *Life Sci*, 51:1869–1876, 1992.
- Wagner O., Christ G., Wojta J., Vierhapper H., Parzer S., Nowotny P., Schneider B., Waldhäusl W., und Binder B. Polar secretion of endothelin-1 by cultured endothelial cells. *J Cell Biol*, 267:16066–16068, 1992.
- Wong N., Wong B., und Tsui J. Vasopressin regulates endothelin-B receptor in rat inner medullary collecting duct. *Am J Physiol*, 278:F369–F374, 2000.
- Wozniak M. und Limbird L. The three alpha2-adrenergic receptor subtypes achieve basolateral localization in madin-darby canine kidney II cells via different targeting mechanisms. *J Biol Chem*, 271:5017–5024, 1996.
- Yanagisawa M., Kurihara H., Kimura S., Tomobe Y., Kobayashi M., Mitsui Y., Yazaki Y., Goto K., und Masaki T. A novel potent vasoconstrictor peptide produced by vascular endothelial cells. *Nature (Lond)*, 332:411–415, 1988.

- Yeaman C., Grindstaff K., und Nelson W. New perspectives on mechanisms involved in generating epithelial cell polarity. *Physiol Rev*, 79:73–98, 1999.
- Yeaman C., Heinflink M., Pedersen E., Boulan E., und Gershengorn M. Polarity of TRH receptors in transfected MDCK cells is independent of endocytosis signals and G protein coupling. *Am J Physiol*, 270:C753–C762, 1996.
- Zhang J., Barak L., Anborgh P., Laporte S., Caron M., und Ferguson S. Cellular trafficking of G protein-coupled receptor/ β -arrestin endocytic complexes. *J Biol Chem*, 274:10999–11006, 1999.