

10 EIGENE PUBLIKATIONEN

Originalarbeiten

Leopoldt, D., Hanck, T., Exner, T., Maier, U., Wetzker, R., Nürnberg, B. (1998) G $\beta\gamma$ stimulates phosphoinositide 3-kinase γ by direct interaction with two domains of the catalytic p110 subunit. *J. Biol. Chem.*, **273**, 7024-7029.

Viard, P., Exner, T., Maier, U., Mironneau, J., Nürnberg, B., Macrez, N. (1999) G $\beta\gamma$ dimers stimulate vascular L-type Ca²⁺ channels via phosphoinositide 3-kinase. *FASEB J.*, **13**, 685-694.

Brunk, I., Pahner, I., Maier, U., Jenner, B., Veh, R.W., Nürnberg, B., Ahnert-Hilger, G. (1999) Differential distribution of G-protein β -subunits in brain: an immunocytochemical analysis. *Eur. J. Cell. Biol.*, **78**, 311-322.

Maier, U., Babich, A., Nürnberg, B. (1999) Roles of non-catalytic subunits in G $\beta\gamma$ induced activation of class I phosphoinositide 3-kinase isoforms β and γ . *J. Biol. Chem.*, **274**, 29311-29317.

Maier, U., Babich, A., Macrez, N., Leopoldt, D., Gierschik, P., Illenberger, D., Nürnberg, B. (2000) G $\beta_5\gamma_2$ is a highly selective activator of phospholipid-dependent enzymes. *J. Biol. Chem.*, **275**, 13746-13754.

Kurzfassungen von Kongressbeiträgen

Leopoldt, D., Hanck, T., Exner, T., Maier, U., Wetzker, R., Schultz, G., Nürnberg, B. (1997) Phosphoinositide 3-kinase γ : G protein specificity and identification of domains interacting with G $\beta\gamma$. FEBS-Meeting "Cell Signalling Mechanisms". Amsterdam, 29.6.-3.7.1997. Abstract Band C7-006.

Maier, U., Leopoldt, D., Exner, T., Kleuss, C., Nürnberg, B. (1998) The G-protein β_5 subunit shows a unique affinity to G γ . *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **358**(2), R656.

Leopoldt, D., Maier, U., Exner, T., Nürnberg, B. (1998) The phosphoinositide-3-kinase p101 subunit facilitates membrane translocation of PI3K allowing direct interaction of G $\beta\gamma$ with the catalytic p110 γ subunit. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **358**(2), R657.

Babich, A., Maier, U., Stürmer, M., Exner, T., Leopoldt, D., Nürnberg, B. (1999) The G protein β_5 exhibits unique signaling properties. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **359**(3), R50.

Maier, U., Babich, A., Exner, T., Kleuß, C., Nürnberg, B. (1999) The p101 subunit of phosphoinositide-3 kinase γ regulates substrate specificity and $G\beta\gamma$ -sensitivity of the catalytic p110 γ subunit. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **359**(3), R50.

Nürnberg, B., Viard, P., Exner, T., Maier, U., Mironneau, J., Macrez, N. (1999) Angiotensin II stimulates vascular L-type Ca^{2+} channels via a $G\beta\gamma$ -sensitive phosphoinositol 3-kinase in vascular myocytes. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **359**(3), R51.

Maier, U., Babich, A., Czupalla, C., Macrez, N., Illenberger, D., Nürnberg, B. (1999): Regulation of Phosphoinositide-3-kinase by G proteins. Fifth International Dahlem Symposium on "Cellular Signal Recognition and Transduction". Berlin, 14.-16.10.1999, S34.

Maier, U., Babich, A., Macrez, N., Illenberger, D., Nürnberg, B. (1999) Die G-Protein- β_5 -Isoform ist ein hochselektiver Diskriminator von $G\beta\gamma$ -sensitiven Phospholipasen und Phosphoinositid-3-Kinasen. Fachbereich Humanmedizin, Universitätsklinikum Benjamin Franklin der Freien Universität Berlin, Jahrbuch 1999, S321. Ausgezeichnet mit dem 3. Forschungspreis für nicht-klinische Institutionen.

Babich, A., Maier, U., Illenberger, D., Nürnberg, B. (2000) Functional active $G\beta_5$ cycles between monomeric, heterodimeric and trimeric G-protein states. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **361**(3), R53.

Maier, U., Babich, A., Illenberger, D., Nürnberg, B. (2000) $G\beta$ -specific regulation of $G\beta\gamma$ -sensitive class I phosphatidylinositide-3-kinases. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **361**(3), R53.