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9 Abkürzungsverzeichnis

3-ABA	3-Aminobenzamid
AD	Aktivator-domäne
ADP	Adenosindiphosphat
ADP-Ribose	Adenosindiphosphat-Ribose
AK	Antikörper
Agarose LM-MP	niedrigschmelzende Agarose
AMD	Automodifikationsdomäne
Amp	Ampizillin
AMP	Adenosinmonophosphat
AP	Alkalische Phosphatase
ATP	Adenosintri-phosphat
BCIP	5-Brom-4-Chlor-3-Indolylphosphat-p-toluidinsalz
BER	<i>Base Excision Repair</i>
bp	Basenpaare
BrCN	Bromcyan
BRCT	<i>BRCA-1 carboxyterminus</i>
BSA	Rinderserumalbumin
Chl	Chloramphenicol
CHO	<i>chinese hamster ovary</i>
C-Terminus	Carboxyterminus
Da	Dalton
DABCO	1,4-Diazabicyclo-Octan
DAPI	Diaminophenylindol
DBD	DNA-bindende Domäne
DC	Dünnschichtchromatographie
DMEM	<i>Dulbeccos Modified Eagle Medium</i>
DMSO	Dimethylsulfoxid
DNA	Desoxyribonukleinsäure
DNase	Desoxyribonuklease
dNTP	Desoxyribonukleotid
DTT	Dithiothreitol
EDTA	Ethylendiamintetraacetat
EGTA	Ethylenglykoltetraacetat
EMS	Ethylmethansosulfat
FCS	Fötale Kälberserum

<i> fwd </i>	vorwärts
Gdm-HCl	Guanidiniumhydrochlorid
GFP	<i> Green Fluorescent Protein </i>
GSH	Glutathion
GST	Glutathion-S-Transferase
HRP	Meerrettich-Peroxidase
IF	Immunfluoreszenz
IgG	Immunglobulin
IPTG	Isopropyl- β -D-Thiogalaktosid
Kan	Kanamycin
kbp	Kilobasenpaare
KE	Kernextrakt
λ	Wellenlänge
LB	Luria-Bertani-Medium
Lig III	DNA-Ligase III
MEM	<i> Modified Eagle Medium </i>
MMS	Methylmethanosulfat
MNNG	N-Methyl-N'-Nitro-N-Nitrosoguanin
mRNA	Boten-Ribonukleinsäure
MTT	Methylthiazoltetrazoliumsalz
NAAD ⁺	Nikotinsäure-Adenin-Dinukleotid
NAD ⁺	Nikotinamid-Adenin-Dinukleotid
NBT	Nitrotetrazoliumblausulfat
NER	<i> Nukleotide Excision Repair </i>
NES	Kernexportsequenz
NLS	Kernlokalisationssequenz
bp NLS	bipartite Kernlokalisationssequenz
NP-40	Nonidet P-40
N-Terminus	Aminoterminus
OD ₆₀₀	optische Dichte bei $\lambda = 600$ nm
P	Phosphat
³² P	Phosphor-32
PAR	Poly (ADP-Ribose)
PARG	Poly (ADP-Ribose) Glycohydrolase
PARP	Poly (ADP-Ribose) Polymerase
PCR	Polymerasekettenreaktion
PFA	Paraformaldehyd
PMS	Phenylmethansulfonylfluorid

PNKP	Polynukleotidkinase/Phosphatase
PoI β	DNA-Polymerase β
PR-AMP	Phosphoribose-AMP
(PR) ₂ -AMP	Di-Phosphoribose-AMP
PRPs	<i>prolin rich proteins</i>
RNA	Ribonukleinsäure
RNase	Ribonuklease
<i>rev</i>	rückwärts
rpm	Umdrehung pro Minute
RPMI	<i>Roswell Park Memorial Institute developed Media</i>
SD-Medium	synthetisches Hefeminimalmedium
SDS	Natriumdodecylsulfat
SDS-PAG	SDS-Polyacrylamidgel
SDS-PAGE	SDS-Polyacrylamidgelelektrophorese
SSBR	<i>Single Strand Break Repair System</i>
TCA	Trichloressigsäure
Temp	Temperatur
Tris	Tris-(hydroxymethyl)-Aminomethan
UV	ultraviolett
v/v	Volumenverhältnis
WB	Western-Blot
WT	Wildtyp
w/v	Massevolumenverhältnis
XRCC1	<i>X-ray repair cross-complementing 1</i>
YPD	Hefevollmedium
YY1	Transkriptionsfaktor Ying Yang 1
ZF	Zinkfinger