
5 Abbreviations

AMPK	AMP-dependent kinase
ATP	Adenosine triphosphate
AVO	Adheres voraciously to TOR2
Aa	Amino acids
BSA	Bovine serum albumin
CHAPS	3-(3-Cholamidopropyl)dimethylammonio)-1-propanesulfonate
CHO	Chinese hamster ovary
cDNA	Copy DNA
CNTF	Ciliary neurotrophic factor
CMV	Cytomegalovirus
2-DG	2-deoxyglucose
DMEM	Dulbecco's modified Eagle medium
DMSO	Dimethyl-sulphoxide
DNA	Deoxyribonucleic acid
DSP	Dithiobis (succinimidyl propionate)
DTT	1,4-dithiothreiol
4E-BP	eIf4E-binding protein
ECL	Enhanced Chemiluminescence
E.coli	Escherichia coli
EDTA	Ethylenediaminetetra-acetic acid
eIF	Eukaryotic initiation factor
FACS	Fluorescent activated cell sorter
FBS	Fetal bovine serum
FITC	Fluorescein Isothiocyanate
FRB	FKBP12 rapamycin-binding
FKBP12	FK506-binding protein 12kDa
GDP	Guanosine diphosphate
G-Protein	Guanine nucleotide regulatory proteins
GST	Glutathion S-transferase
GTP	Guanosine triphosphate
HA	Hemagglutinin
HEK	Human embryonic kidney
HEPES	(N-[2-Hydroxyethyl]piperazine-N'-[2-ethanesulfonic acid])
HRP	Horse Radish Peroxidase
kDa	Kilodalton
KOG-1	Kontroller of growth-1
MAPK	Mitogen activated kinase
mRNA	Messenger ribonucleic acid
mTOR	Mammalian target of rapamycin
NP-40	Nonidet P-40
NSC	Nutrient-sensing complex
U2OS	Human osteosarcoma

PA	Phosphatidic acid
PABP	Poly (A)-binding protein
PCR	Polymerase chain reaction
PDGF	Platled derived growth factor
PI3K	Phosphatidyl inositol 3' kinase
PIKK	Phosphoinositol (PI) 3-kinase related kinases
PDK1	PI3K dependent kinase
PKC	Protein kinase C
PKI	Protein kinase A inhibitor
PLD	Phospholipase D
PMSF	Phenylmethylsulfonic acid
PP2A	Protein phosphatase 2A
PTEN	Phosphatase and Tensin homolog deleted on chromosome Ten
Raptor	Regulatory associated protein of mTOR
Rapamycin	Rapamycin
RNC	Raptor N-conserved
rpm	Revolutions per minute
SH3	Src homology 3
SDS/PAGE	Sodium dodecyl sulfate/polyacrylamide gel electrophoresis
S6K	Ribosomal S6 kinase
STAT3	Signal transducer and activator of transcription 3
TEMED	N,N,N',N'Tetramethylethylenediamine
5'TOP	5' terminal polypyrimidine tracts
Tsc	Tuberous sclerosis complex
tRNA	Transfer ribonucleic acid
5'UTR	5'-untranslated region
Tris	Tris(hydroxymethyl)-aminomethan
Wt	Wild type
Wort	Wortmannin