

Product datasheet for **AP00223PU-N**

S6K1 (RPS6KB1) pThr389 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 0.5-4 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phospho-peptide surrounding amino acid Thr389 of human p70 S6 kinase
Specificity:	The antibody detects p70 S6 kinase only when phosphorylated at Thr389.
Formulation:	PBS, pH 7.2, containing 30 % glycerol, 0.5 % BSA, 0.01% thimerosal State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ribosomal protein S6 kinase B1
Database Link:	Entrez Gene 72508 Mouse Entrez Gene 83840 Rat Entrez Gene 6198 Human P23443
Background:	p70 S6 kinase is a mitogen activated Ser/Thr protein kinase that is required for cell growth and G1 cell cycle progression. P70 S6 kinase phosphorylates the S6 protein of the 40S ribosomal subunit and is involved in translational control of 5'oligopyrimidine tract mRNAs. A second isoform, p85 S6 kinase, is derived from the same gene and is identical to p70 S6 kinase except for 23 extra residues at the N-terminus that encode a nuclear localizing signal. Both isoforms lie on a mitogen-activated signaling pathway downstream of phosphoinositide 3 kinase (PI3K) and the target of rapamycin FRAP/mTOR, and distinct from the Ras/MAP kinase cascade.



[View online »](#)

Synonyms:	Ribosomal protein S6 kinase I, S6K1, p70 S6 kinase alpha, p70 S6K-alpha, p70 S6KA, Serine/threonine-protein kinase 14A
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Acute myeloid leukemia, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Insulin signaling pathway, mTOR signaling pathway, TGF-beta signaling pathway