

## Product datasheet for **AP00210PU-N**

### **S6K1 (RPS6KB1) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, IP, WB
<b>Recommended Dilution:</b>	Western Blot: 1 µg/ml. Immunoprecipitation: 10-20 µg/ml. Immunohistochemistry: 10-20 µg/ml.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic peptide near the C-terminus of human p70 S6 kinase.
<b>Specificity:</b>	The antibody recognizes p70 S6 kinase.
<b>Formulation:</b>	PBS containing 50 % glycerol, 1 % BSA, and 0.02 % sodium azide State: Aff - Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Antigen affinity purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	ribosomal protein S6 kinase B1
<b>Database Link:</b>	<a href="#">Entrez Gene 72508 Mouse</a> <a href="#">Entrez Gene 83840 Rat</a> <a href="#">Entrez Gene 6198 Human P23443</a>
<b>Background:</b>	p70 S6 kinase and p90 Rsk kinase are the two distinct 40S ribosomal protein S6 Ser/Thr kinases present in somatic animal cells. p90 Rsk kinase is maximally activated within minutes of addition of growth factors or phorbol ester to cultured cells followed by activation of p70 S6 kinase. Both enzymes are regulated by serine/threonine phosphorylation, suggesting that specific kinases may exist upstream in the signaling pathways that regulate these kinases.



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