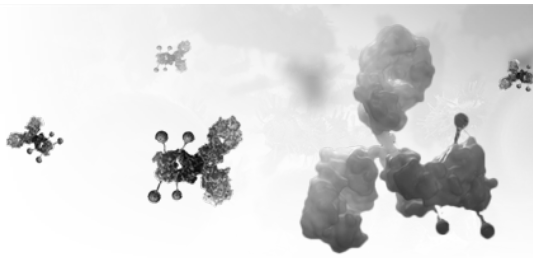

Human RPS6KB1 blocking peptide (CDBP2175)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-p70S6K/RPS6KB1 antibody
Antigen Description	This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RPS6KB1 ribosomal protein S6 kinase, 70kDa, polypeptide 1 [Homo sapiens (human)]
Official Symbol	RPS6KB1
Synonyms	RPS6KB1; ribosomal protein S6 kinase, 70kDa, polypeptide 1; S6K; PS6K; S6K1; STK14A;

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	p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha; ribosomal protein S6 kinase beta-1; p70 S6 kinase, alpha; ribosomal protein S6 kinase I; serine/threonine kinase 14 alpha; serine/threonine-protein kinase 14A;
Entrez Gene ID	6198
mRNA Refseq	NM_001272042.1
Protein Refseq	NP_001258971.1
UniProt ID	B4DLT4
Chromosome Location	17q23.1
Pathway	AMPK signaling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; ErbB signaling pathway, organism-specific biosyste
Function	ATP binding; peptide binding; protein binding; protein kinase activity; ribosomal protein S6 kinase activity;

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