

## p70 S6 kinase α (phospho Ser447) rabbit

## pAb

Cat No.:ES1389

For research use only

## Overview

Product Namep70 SG kinase α (phospho Ser447) rabbit pAbHost speciesRabbitApplicationsWB;IHC;IF;ELISASpecies Cross-ReactivityHuman;Mouse;RatRecommended dilutionsWestern Blot: 1/500 - 1/2000.Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.ImmunogenThe antiserum was produced against synthesized peptide derived from human p70 SG kinase around the phosphorylation site of Ser424. AA range:414-463SpecificityPhospho-p70 SG kinase α (S447) Polyclonal Antibody detects endogenous levels of p70 SG kinase α protein only when phosphorylated at S447.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.StorageStore at -20°C. Avoid repeated freeze-thaw cycles.Protein NameRPS6KB1 STK14A P70S6KCellular localizationCell junction, synapse, synaptosome . Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.PurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.ClonalityPolyclonalObserved band60kDHuman Swiss-Prot NumberP23443		
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Observed band60kDHuman Gene ID6198Human Swiss-Prot NumberP23443	Clonality	Polyclonal
Human Gene ID6198Human Swiss-Prot NumberP23443	Concentration	1 mg/ml
Human Swiss-Prot Number P23443	Observed band	60kD
	Human Gene ID	6198
	Human Swiss-Prot Number	P23443
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**Alternative Names** 

## Background

RPS6KB1; STK14A; Ribosomal protein S6 kinase beta-1; S6K-beta-1; S6K1; 70 kDa ribosomal protein S6 kinase 1; P70S6K1; p70-S6K 1; Ribosomal protein S6 kinase I; Serine/threonine-protein kinase 14A; p70 ribosomal S6 kinase alpha; p70 S6 kinas ribosomal protein S6 kinase B1(RPS6KB1) Homo sapiens 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],

48-34-26-19Western Blot analysis of various cells using Phospho-p70 S6 kinase  $\alpha$  (S447) Polyclonal Antibody diluted at 1:1000



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