

# p70 S6 Kinase (phospho-Thr389) rabbit pAb

Cat No.:ES14291

For research use only

## Overview

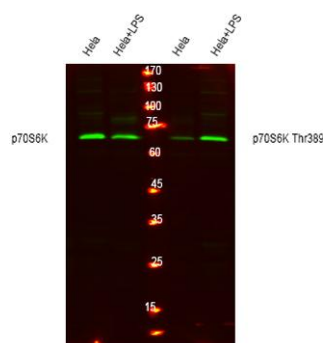
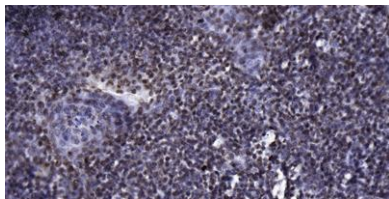
Product Name	p70 S6 Kinase (phospho-Thr389) rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human;Mouse;Rat;Bovine
Recommended dilutions	WB 1:1000-2000
Immunogen	Synthesized phospho peptide around human p70 S6 Kinase (Thr389)
Specificity	This antibody detects endogenous levels of Human Mouse Rat p70 S6 Kinase (phospho-Thr389)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ribosomal protein S6 kinase beta-1, p70 S6 Kinase (Thr389)
Gene Name	RPS6KB1 STK14A P70S6K
Cellular localization	Cell junction, synapse, synaptosome . Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	59kD
Human Gene ID	6198
Human Swiss-Prot Number	P23443
Alternative Names	Ribosomal protein S6 kinase beta-1 (S6K-beta-1) (S6K1) (EC 2.7.11.1) (70 kDa ribosomal protein S6 kinase 1) (P70S6K1) (p70-S6K 1) (Ribosomal protein S6 kinase I) (Serine/threonine-protein kinase 14A)



## Background

(p70 ribosomal S6 kinase alpha) (p70 S6 kinase alpha) (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],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from HeLa cells, treated with LPS 100ng/ml 30', using total P70 S6 Kinase Antibody(catalog: YT3555) and P70 S6 Kinase (phospho T389) antibody(catalog: YP1427).(Green) primary antibody was diluted at 1:1000, 4°over night, s

