

Phospho-p70 S6 Kinase Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10374**Specification**

Phospho-p70 S6 Kinase Antibody - Product Information

Application	WB
Primary Accession	Q9UBS0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53455

Phospho-p70 S6 Kinase Antibody - Additional Information**Gene ID** 6199**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects p70 S6 kinase only when phosphorylated at Thr389.

Other Names

RPS6KB1 , p70S6k , p70 , S6K , p70(S6K)-alpha , P70S6K , p70(S6K)-alpha , p70-alpha, Ribosomal protein S6 kinase beta-2; S6K-beta-2; S6K2; 70 kDa ribosomal protein S6 kinase 2; p70-S6K 2; P70S6K2; p70 ribosomal S6 kinase beta; p70 S6 kinase beta; p70 S6K-beta; p70 S6KB; S6K-beta; p70-beta; S6 kinase-related kinase; SRK; Serine/threonine-protein kinase 14B

Target/Specificity

Phospho-p70 S6 Kinase

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Phospho-S6 (Thr389) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Phospho-p70 S6 Kinase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-p70 S6 Kinase Antibody - Protein Information

Name RPS6KB2

Synonyms STK14B

Function

Phosphorylates specifically ribosomal protein S6 (PubMed:29750193). Seems to act downstream of mTOR signaling in response to growth factors and nutrients to promote cell proliferation, cell growth and cell cycle progression in an alternative pathway regulated by MEAK7 (PubMed:29750193).

Cellular Location

Cytoplasm. Nucleus.

Phospho-p70 S6 Kinase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-p70 S6 Kinase Antibody - Images**Phospho-p70 S6 Kinase Antibody - 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.

Phospho-p70 S6 Kinase Antibody - Citations

- [Immune responses of channel catfish following the stimulation of three recombinant flagellins of Yersinia ruckeri in vitro and in vivo.](#)
- [Spinosad induces autophagy of Spodoptera frugiperda Sf9 cells and the activation of AMPK/mTOR signaling pathway.](#)