

p70 S6 Kinase Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10354**Specification**

p70 S6 Kinase Antibody - Product Information

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

p70 S6 Kinase Antibody - Additional Information**Gene ID** 6199

Application & Usage	Western blotting (1 µg/ml), immunoprecipitation (10-20 µg/ml), and Immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes p70 S6 kinase of human, mouse, and rat origins. Reactivity to other species has not been tested.
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Other Names

RPS6KB1 , p70S6k , p70 , S6K , p70(S6K)-alpha , P70S6K , p70(S6K)-alpha , p70-alpha

Target/Specificity

p70 S6 Kinase

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

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

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.

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](#)

p70 S6 Kinase Antibody - Images

p70 S6 Kinase Antibody - Background

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.