

Phospho-p70 S6 Kinase 1-T421 Rabbit pAb

Catalog No.: AP0449

Basic Information

Observed MW

75kDa, 80kDa

Calculated MW

59kDa

Category

Primary antibody

Applications

WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:100 - 1:200

Immunogen Information

Gene ID	Swiss Prot
6198	P23443

Immunogen

A phospho specific peptide corresponding to residues surrounding T421 of human P70 S6K

Synonyms

S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha; Phospho-p70 S6 Kinase 1-T421

Contact

 | www.abclonal.com

Product Information

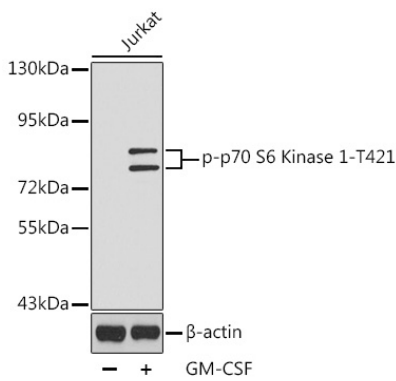
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from Jurkat cells, using Phospho-p70 S6 Kinase 1-T421 Antibody (AP0449).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.