Anti-Phospho-S6K1 (Thr421/Ser424) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108500

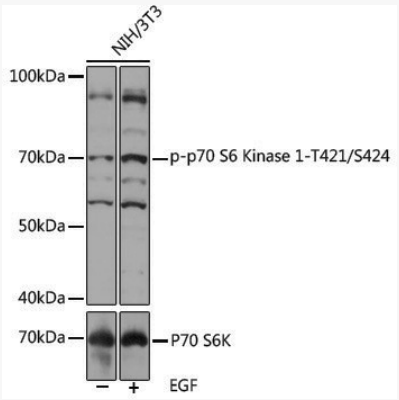
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around T421 & S424 of human RPS6KB1 (NP_001258989.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-S6K1 (Thr421/Ser424) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	S6K; PS6K; p70 S6 Kinase 1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha; Phospho-p70 S6 Kinase 1-T421/S424.
Calculated MW	Calculated MW: 59 kDa; Observed MW: 70 kDa
Uniprot ID	P23443
Gene ID	6198
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.

Validation Images



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-S6K1-T421/S424 pAb (P108500) at 1:1,000 dilution or S6K1 antibody (R014003). NIH/3T3 cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 180s.