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## **p70-S6K Antibody**

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 251131

**Unit:** 0.1 mg

### **Description:**

70 kDa ribosomal protein S6 kinase 1 (p70-S6K) acts to integrate nutrient and growth factor signals in regulation of protein synthesis, cell proliferation, cell growth, cell cycle progression and cell survival. P70-S6K is a downstream effector of the mTOR signaling pathway. P70-S6K phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens. During translation initiation, the inactive form associates with the eIF-3 complex under conditions of nutrient depletion. Mitogenic stimulation leads to phosphorylation and dissociation from the eIF-3 complex and the free activated form can phosphorylate other translational targets including EIF4B.

**Isotype:** Rabbit Ig

**Applications:** E, WB, IP

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was immunoaffinity purified with c-terminal p70-S6K on agarose.

**Alternate Names:** Ribosomal protein S6 kinase beta-1; Ribosomal protein S6 kinase I; S6K1; S6K; 70 kDa ribosomal protein S6 kinase1; p70 S6 kinase alpha; p70(S6K)-alpha; p70-S6K; P70S6K; p70-alpha; RPS6KB1

**Accession No.:** P23443

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p70-S6K.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.