

RPS6KB1 polyclonal antibody

Catalog # PAB10302 Size 100 ug

Applications



Immunoprecipitation

Western blot using RPS6KB1 polyclonal antibody (Cat # PAB10302) shows detection of a predominant band corresponding to RPS6KB1 in mouse brain extract (right lane) after immunoprecipitation.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of RPS6KB1.

Immunogen A synthetic peptide corresponding to C-terminus human RPS6KB1.

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This affinity-purified antibody is directed against the human p70S6K protein.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:5000)
 Western Blot (1:1000)
 Immunoprecipitation (5 ug/mg protein sample)
 The optimal working dilution should be determined by the end user.

Storage Buffer In 100 mM Tris-Cl, 500 mM NaCl, pH 8.0 (0.01% sodium azide)

Storage Instruction
 Store at 4°C. For long term storage store at -20°C.
 Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RPS6KB1

Entrez GeneID [6198](#)

Protein Accession# [P23443](#)

Gene Name RPS6KB1

Gene Alias PS6K, S6K, S6K1, STK14A, p70(S6K)-alpha, p70-S6K, p70-alpha

Gene Description ribosomal protein S6 kinase, 70kDa, polypeptide 1

Omim ID [608938](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several residues of the S6 ribosomal protein. The kinase activity of this protein leads to an increase in protein synthesis and cell proliferation. Amplification of the region of DNA encoding this gene and overexpression of this kinase are seen in some breast cancer cell lines. Alternate translational start sites have been described and alternate transcriptional splice variants have been observed but have not been thoroughly characterized. [provided by RefSeq]

Other Designations p70 S6 kinase, alpha 1|p70 S6 kinase, alpha 2|ribosomal protein S6 kinase, 70kD, polypeptide 1|serine/threonine kinase 14 alpha

Pathway

- [Acute myeloid leukemia](#)

- [ErbB signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)