

RecomAb™

RPS6KB1 recombinant monoclonal antibody, clone R01-4B5

Catalog # RAB01930 Size 100 uL

Applications



Western Blot

Western blot analysis of rat brain lysates with RPS6KB1 recombinant monoclonal antibody, clone R01-4B5 (Cat # RAB01930).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RPS6KB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human RPS6KB1.
Theoretical MW (kDa)	Calculated MW: 59 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

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- Immunofluorescence

- Immunoprecipitation

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](#)