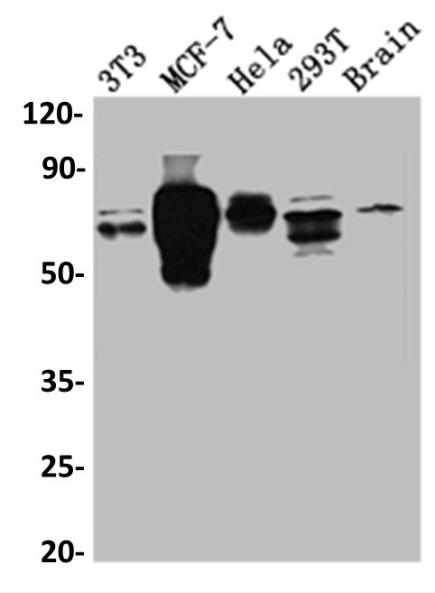
RecomAb™

# RPS6KB1 recombinant monoclonal antibody, clone 1H8

Catalog # RAB07421 Size 100 uL

## Applications




### Western Blot

Western blot analysis of NIH/3T3 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, 293T whole cell lysate, Mouse Brain whole cell lysate with RPS6KB1 recombinant monoclonal antibody, clone 1H8 (Cat # RAB07421).

## 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: 60, 5 |
| **Reactivity** | Human, Mouse |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |

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|---|---|
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western blot analysis of NIH/3T3 whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, 293T whole cell lysate, Mouse Brain whole cell lysate with RPS6KB1 recombinant monoclonal antibody, clone 1H8 (Cat # RAB07421).

## 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 kinase s. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates several resid ues 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 overex pression 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 n ot been thoroughly characterized. [provided by RefSeq |

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|---|---|
| **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

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