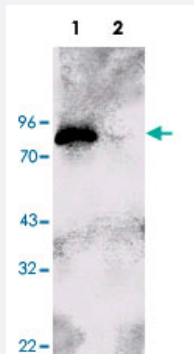


# RPS6KA1 polyclonal antibody

Catalog # PAB10303      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of RPS6KA1 immunoprecipitated from the mouse brain extract (lane 2) and using RPS6KA1-HRP as a probe. Immunoprecipitated negative control (lane 1).

## Specification

**Product Description** Rabbit polyclonal antibody raised against synthetic peptide of RPS6KA1.

**Immunogen** A synthetic peptide corresponding to C-terminus human RPS6KA1.

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Specificity** This affinity-purified antibody is directed against the human RSK1 protein.

**Form** Liquid

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
 ELISA (1:2000-1:5000)  
 Western Blot (1:200-1:1000)  
 Immunoprecipitation (5 ug/mg per 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 (Tissue lysate)

Western blot analysis of RPS6KA1 immunoprecipitated from the mouse brain extract (lane 2) and using RPS6KA1-HRP as a probe. Immunoprecipitated negative control (lane 1).

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — RPS6KA1

**Entrez GeneID**[6195](#)**Protein Accession#**[Q15418;NP\\_002944](#)**Gene Name**

RPS6KA1

**Gene Alias**

HU-1, MAPKAPK1A, RSK, RSK1

**Gene Description**

ribosomal protein S6 kinase, 90kDa, polypeptide 1

**Omim ID**[601684](#)**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 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

**Other Designations**

OTTHUMP00000004113|S6K-alpha 1|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1)|p90-RSK 1|ribosomal protein S6 kinase alpha 1|ribosomal protein S6 kinase, 90kD, 1|ribosomal protein S6 kinase, 90kD, polypeptide 1

## Pathway

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [mTOR signaling pathway](#)
- [Neurotrophin signaling pathway](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)