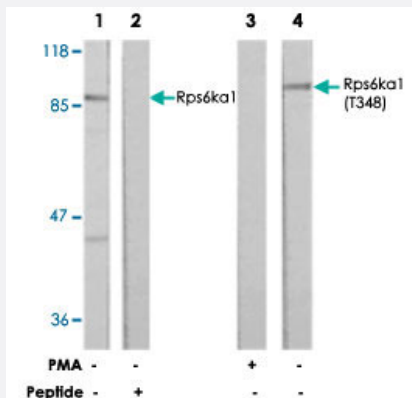


RPS6KA1 polyclonal antibody

Catalog # PAB26704 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells untreated or treated with PMA (200 uM, 30 min) using RPS6KA1 polyclonal antibody (Cat # PAB26704, lane 1 and 2) and Rps6ka1 (phospho T348) polyclonal antibody (Cat # PAB5945, lane 3 and 4).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RPS6KA1.
Immunogen	A synthetic peptide corresponding to residues surrounding T348 of human RPS6KA1.
Sequence	S-R-Tp-P-R
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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

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Gene Info — RPS6KA1

Entrez GeneID[6195](#)**Protein Accession#**[Q15418](#)**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](#)