

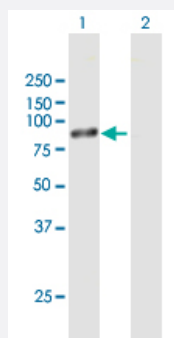
MaxPab®

RPS6KB1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006198-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of RPS6KB1 expression in transfected 293T cell line ([H00006198-T01](#)) by RPS6KB1 MaxPab polyclonal antibody.

Lane 1: RPS6KB1 transfected lysate(57.75 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human RPS6KB1 protein.

Immunogen

RPS6KB1 (NP_003152.1, 1 a.a. ~ 525 a.a) full-length human protein.

Sequence

MRRRRRRRDGFYPAPDFRDREAEDMAGVFDIDLDQPEDAGSEDELEEGGQLNESMDHGGVGPY
ELGMEHCEKFEISETSVNRGPEKIRPECFELLRLVGKGGYGKVFQVRKVTGANTGKIFAMKVLKK
AMIVRNAKD TAHTKAERNILEEVKHPFVDLYAFQTGGKLYLILEYLSGGELFMQLEREGIFMEDTA
CFYLAEISMA LGHLHQKGIIYRDLKPENIMLNHQGHVKTDFGLCKESIHDGTVTHTFCGTIEYMAPEI
LMRSGHNRAVDWWSLGALMYDMLTGAPPFTGENRKKTDKILKCKLNLPPYL TQEARDLLKKLLK
RNAASRLGAGPGDAGEVQAHPFFRHINWEELLARKVEPPFKPLLQSEEDVSQFDSKFTRQTPV
DSPDDSTLSESANQVFLGFTYVAPSVLESVKEKFSFEPKIRSPRRFIGSPRTPVSPVKFSPGDFW
GRGASASTANPQTPVEYPMETSGIEQMDVTMSGEASAPLP IRQPN SGPYKKQAFPMISKRPEHLR
MNL

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — RPS6KB1

Entrez GeneID [6198](#)

GeneBank Accession# [NM_003161.2](#)

Protein Accession# [NP_003152.1](#)

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](#)