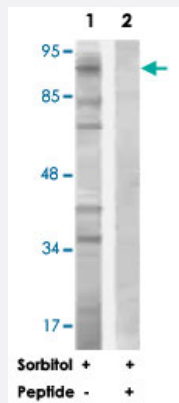


RPS6KA5 polyclonal antibody

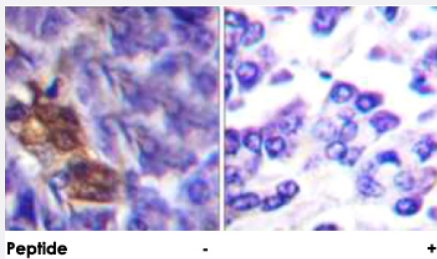
Catalog # PAB18247 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COS-7 cells, treated with Sorbitol (400 mM, 30 mins), using RPS6KA5 polyclonal antibody (Cat # PAB18247). Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using RPS6KA5 polyclonal antibody (Cat # PAB18247). Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RPS6KA5.
Immunogen	A synthetic peptide corresponding to residues surrounding S360 of human RPS6KA5.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to RPS6KA5.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM 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

- Western Blot (Cell lysate)

Western blot analysis of extracts from COS-7 cells, treated with Sorbitol (400 mM, 30 mins), using RPS6KA5 polyclonal antibody (Cat # PAB18247).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using RPS6KA5 polyclonal antibody (Cat # PAB18247).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RPS6KA5

Entrez GeneID	9252
Protein Accession#	O75582
Gene Name	RPS6KA5
Gene Alias	MGC1911, MSK1, MSPK1, RLPK
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 5
Omim ID	603607

Gene Ontology	Hyperlink
Gene Summary	90kDa
Other Designations	mitogen- and stress-activated protein kinase 1 ribosomal protein S6 kinase, 90kD, polypeptide 5

Publication Reference

- [Light stimulates MSK1 activation in the suprachiasmatic nucleus via a PACAP-ERK/MAP kinase-dependent mechanism.](#)

Butcher GQ, Lee B, Cheng HY, Obrietan K.

Journal of Neuroscience 2005 Jun; 25(22):5305.

- [Tumor necrosis factor activates CRE-binding protein through a p38 MAPK/MSK1 signaling pathway in endothelial cells.](#)

Gustin JA, Pincheira R, Mayo LD, Ozes ON, Kessler KM, Baerwald MR, Korgaonkar CK, Donner DB.

American Journal of Physiology - Cell Physiology 2004 Mar; 286(3):C547.

- [MSK1 and MSK2 are required for the mitogen- and stress-induced phosphorylation of CREB and ATF1 in fibroblasts.](#)

Wiggin GR, Soloaga A, Foster JM, Murray-Tait V, Cohen P, Arthur JS.

Molecular and Cellular Biology 2002 Apr; 22(8):2871.

Application: WB, Mouse, Mouse fibroblasts

Pathway

- [Bladder cancer](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)