RPS6 Polyclonal Antibody

Catalog No: #30697

Package Size: #30697-1 50ul #30697-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	RPS6 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human RPS6 (NP_001001.2).
Other Names	RPS6;S6;RPS6
Accession No.	Uniprot:P62753GeneID:6194
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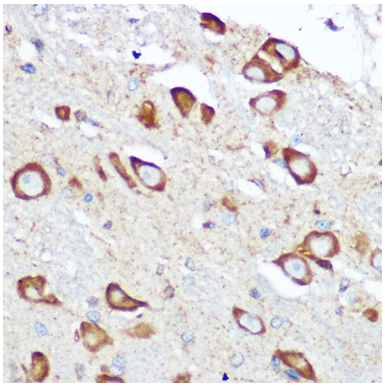
GeneID	6194
Calculated MW	35kDa
SDS-PAGE MW	32KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

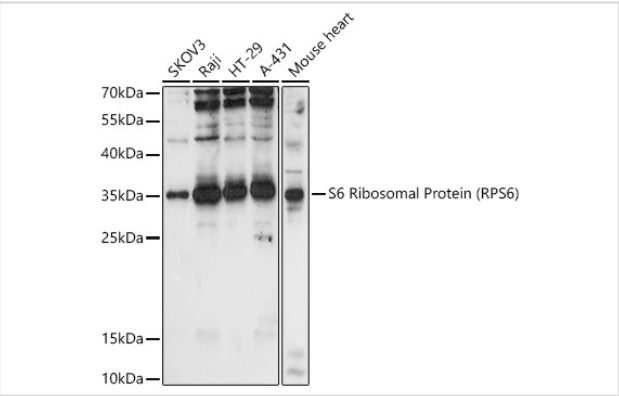
Application Details

WB□1:500 - 1:1000IHC□1:50 - 1:100IF□1:50 - 1:200

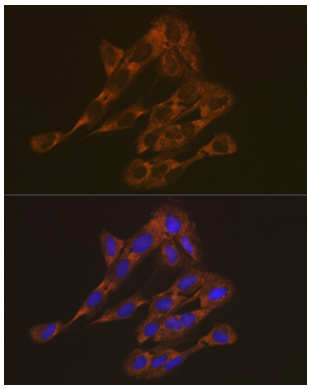
Images



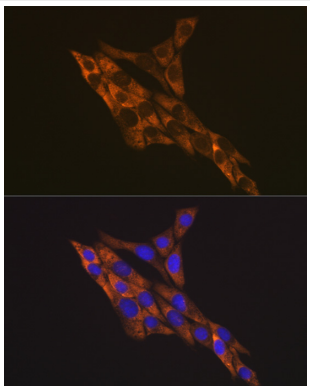
Immunohistochemistry of paraffin-embedded rat brain using S6 Ribosomal Protein (RPS6) Rabbit pAb.



Western blot analysis of extracts of various cell lines, using S6 Ribosomal Protein (RPS6) antibody.



Immunofluorescence analysis of NIH-3T3 cells using S6 Ribosomal Protein (RPS6) Rabbit pAb.



Immunofluorescence analysis of C6 cells using S6 Ribosomal Protein (RPS6) Rabbit pAb.

Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Note: This product is for in vitro research use only