Datasheet for ABIN6136242

anti-RPS6 antibody (pSer240, pSer244)

3 Images

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Overview

Quantity:	100 µL
Target:	RPS6
Binding Specificity:	pSer240, pSer244
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic phosphorylated peptide around S240 & S244 of human RPS6 (NP_001001.2).
Sequence:	STSKS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	RPS6
Alternative Name:	RPS6 (RPS6 Products)
Background:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a

Target Details

	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.,RPS6,S6,RPS6,Epigenetics & Nuclear Signaling,RNA Binding,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,PI3K-Akt Signaling Pathway,MAPK-Erk Signaling Pathway,Akt downstream targets,Protein phosphorylation,RPS6
Molecular Weight:	28 kDa
Gene ID:	6194
UniProt:	P62753
Pathways:	Carbohydrate Homeostasis, Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

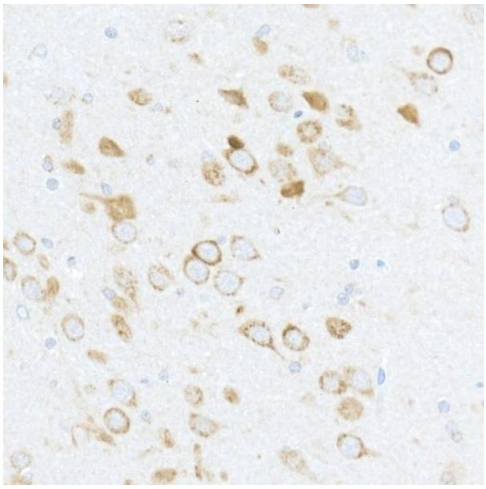
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

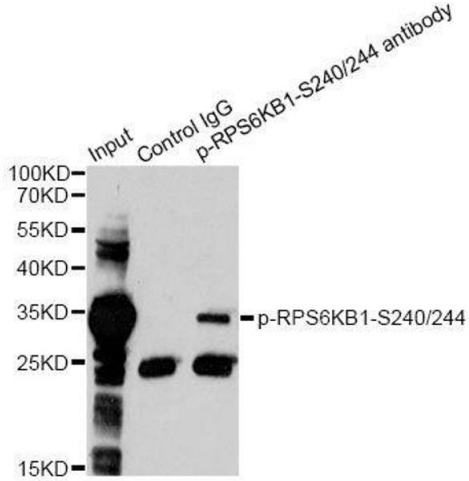
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



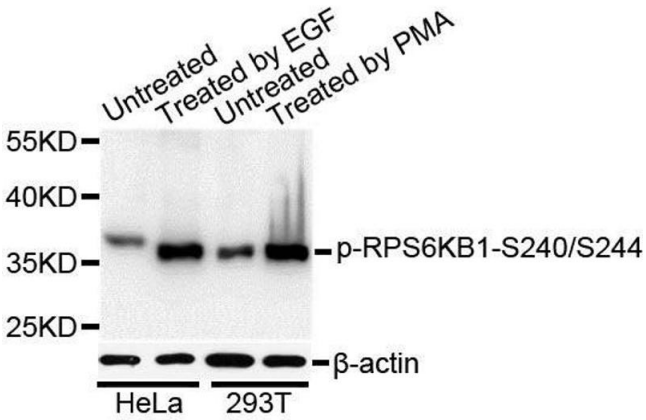
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat brain using Phospho-S6 Ribosomal Protein (RPS6)-S240/244 Rabbit pAb (ABIN6135311, ABIN6136242, ABIN6136243 and ABIN6225563) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunoprecipitation

Image 2. Immunoprecipitation analysis of 200ug extracts of 293 cells treated by PMA using 2.5ug Phospho-RPS6KB1-S240/244 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using Phospho-RPS6KB1-S240/244 antibody.