

Datasheet for ABIN2464100

anti-RPS6KA1 antibody (truncated)



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2 Images

Overview

Quantity:	0.1 mg
Target:	RPS6KA1
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RPS6KA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Ni-NTA purified truncated recombinant RSK1 expressed in E. Coli strain BL21 (DE3).
Clone:	10B1D7A9-10B1D7E12
Isotype:	IgG2a

Target Details

Target:	RPS6KA1
Alternative Name:	RSK1 (RPS6KA1 Products)
Background:	Rsk1 is a member of a family of 90 kDa ribosomal protein S6 kinases, which includes Rsk1, Rsk2 and Rsk3. These are broadly expressed serine / threonine protein kinases activated in response to mitogenic stimuli, including extracellular signal regulated protein kinases Erk1 and Erk2. Rsk1 is activated by MAPK in vitro and in vivo via phosphorylation. Active Rsks appear to

Target Details

play a major role in transcriptional regulation by translocating to the nucleus and phosphorylating c-Fos and CREB. RSK proteins possess two separate kinase domains, the C terminal kinase domain and the N terminal kinase domain, separated by a linker region containing a hydrophobic motif. RSK is activated by many stimuli including growth factors, phorbol esters, cAMP, heat shock, and irradiation.

Gene ID:	6195
UniProt:	Q15418
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Western Blot:1:500 - 1:2,000 IHC(P):1:500 - 1:2,000 ELISA:Propose dilution 1:10,000. Determining optimal working dilutions by titration test.
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Restrictions:	For Research Use only
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Handling

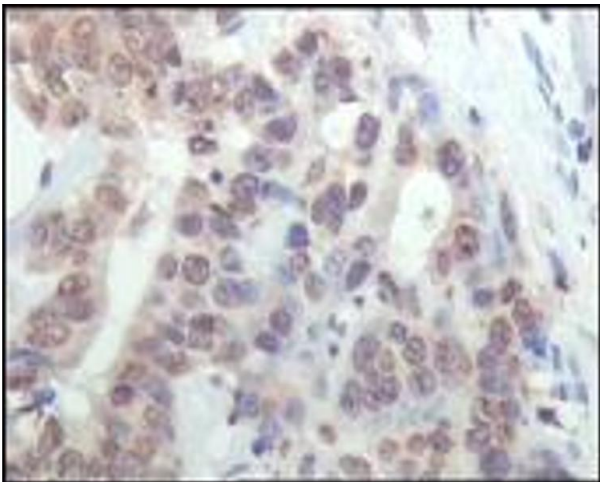
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	-20 °C
Storage Comment:	RSK1 monoclonal antibody can be stored at -20 °C, stable for one year.



Figure 1: Western blot analysis using RSK1 monoclonal antibody against truncated RSK1 recombinant protein

Western Blotting

Image 1.



Immunohistochemistry

Image 2.