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Datasheet for ABIN700705
anti-RPS6KA2 antibody (AA 221-350)

Overview

Quantity:	100 µL
Target:	RPS6KA2
Binding Specificity:	AA 221-350
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KA2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RSK3/Ribosomal S6 kinase 3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	RPS6KA2
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Target Details

Alternative Name:	RSK3 (RPS6KA2 Products)
Background:	<p>Synonyms: 90 kDa ribosomal protein S6 kinase 2, HU 2, KS6A2_HUMAN, MAP kinase activated protein kinase 1c, MAP kinase-activated protein kinase 1c, MAPK-activated protein kinase 1c, MAPKAP kinase 1c, MAPKAPK-1c, MAPKAPK1C, p90-RSK 2, p90RSK 2, p90RSK2, pp90RSK 3, pp90RSK3, Ribosomal protein S6 kinase alpha-2, Ribosomal S6 kinase 3, RPS6KA2, RSK 3, RSK-3, S6K alpha 2, S6K alpha, S6K-alpha-2.</p> <p>Background: RSK3(Ribosomal S6 kinase 3)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 that are activated in response to mitogenic stimuli, including extracellular signal-regulated protein kinases Erk1 and Erk2. Rsk3 is a distinct isoform of p90Rsk that translocates to the cell nucleus, phosphorylates potential nuclear targets and may have a unique upstream activator. Several sites, such as Ser380, Thr359, Ser363 and Thr573, are important for its activation. Active Rsks appear to play a major role in transcriptional regulation by translocating to the nucleus and phosphorylating c Fos and CREB.</p>
Gene ID:	6196
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months