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Datasheet for ABIN700707

anti-RPS6KA2 antibody (AA 221-350) (Biotin)

Overview

Quantity:	100 µL
Target:	RPS6KA2
Binding Specificity:	AA 221-350
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KA2 antibody is conjugated to Biotin
Application:	ELISA, 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
Alternative Name:	RSK3 (RPS6KA2 Products)

Target Details

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:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months