

Datasheet for ABIN5010123

anti-RPS6KA2 antibody (AA 221-350) (AbBy Fluor® 750)[Go to Product page](#)

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 AbBy Fluor® 750
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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: 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.

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.

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: 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: 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

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months