

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat RSK1, 2, 3, and 4 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 792921
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	synthetic peptide corresponding to Lys171-Asp193 of human RSK2 Accession # P51821
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The 90 kDa ribosomal protein S6 kinases (RSK1-4) are a family of broadly expressed Ser/Thr kinases activated in response to mitogenic stimuli, including growth factors and tumor-promoting phorbol esters. RSKs are directly phosphorylated by ERK1 and ERK2, leading to RSK autophosphorylation and activation. Active RSKs appear to play a major role in transcriptional regulation by translocating to the nucleus and phosphorylating c-Fos and CREB. Within the range used as immunogen, human RSK2 shares 96%, 100%, and 91% amino acid sequence identity with RSK1, RSK3, RSK4, respectively.

PRODUCT SPECIFIC NOTICES

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