Human RSK1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 964203

Catalog Number: FAB992G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RSK1 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 964203
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human RSK1 Met1-Leu735 Accession # Q15418
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.*

Immunocytochemistry	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.

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