Human RSK4 Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 374521

Catalog Number: FAB3916T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RSK4 in Western blots. In Western blots, no cross-reactivity with recombinant human (rh) RSK1, rhRSK2, or rhRSK3 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 374521
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human RSK4 Met1-Leu745 Accession # Q9UK32
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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 frequently activated in response to mitogenic stimuli, including growth factors and tumor-promoting phorbol esters. RSK4, also known as RPS6KA6, is commonly deleted in patients with complex X-linked mental retardation. Unlike other RSKs, RSK4 is constitutively active in serum-starved cells, and may participate in non-growth factor signaling.

PRODUCT SPECIFIC NOTICES

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