Human Ribosomal Protein S6/RPS6
Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 973210

Catalog Number: FAB54361T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Ribosomal Protein S6 when dually phosphorylated at S235 and S236.
Source	Monoclonal Rat IgG_{2A} Clone # 973210
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing human Ribosomal Protein S6 S235/S236 sites Accession # P62753
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.
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

40S Ribosomal Protein S6 (RPS6) is the major substrate of protein kinases, particularly p70 S6 kinase, in eukaryotic ribosomes. RPS6 phosphorylation at S235, S236, S240, and S244 upregulates the translation of mRNAs containing an oligopyrimidine tract at their transcriptional start sites. This phosphorylation is stimulated by growth factors, tumor promoting agents, and other mitogens. RPS6 is dephosphorylated during growth arrest.

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