

For Research Use Only

Phospho-RPS6KA3 (Ser227) Recombinant monoclonal antibody

Catalog Number: 87534-1-RR



Basic Information

Catalog Number:

87534-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC096301

GeneID (NCBI):

6197

UNIPROT ID:

P51812

Full Name:

ribosomal protein S6 kinase, 90kDa,
polypeptide 3

Calculated MW:

740 aa, 84 kDa

Observed MW:

84 kDa

Purification Method:

Protein A purification

CloneNo.:

252865C9

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells,

Background Information

Ribosomal S6 Kinase 2 (RSK2), a member of the p90RSK family of serine/threonine kinases, is known to be phosphorylated at Ser227 and Thr577 in response to Adriamycin-induced DNA damage. This phosphorylation promotes RSK2 nuclear translocation and enhances RSK2 and Atm interactions in the nuclear fraction, playing an important role in the DNA damage pathway that maintains genomic stability by mediating cell cycle progression and DNA repair.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

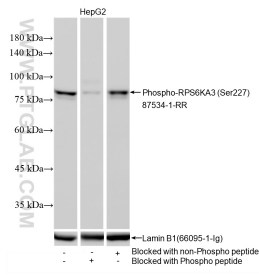
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 87534-1-RR (Phospho-RPS6KA3 (Ser227) antibody) blocked with BSA only, Phospho-RPS6KA3 (Ser227) peptide or non-Phospho peptide at dilution of 1:5000 incubated at room temperature for 1.5 hours.