For Research Use Only

# Phospho-RPS6KA3 (Ser227) Recombinant monoclonal antibody, PBS Only

Catalog Number:87534-1-PBS

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## Basic Information

Catalog Number:
87534-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

## Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

## Background Information

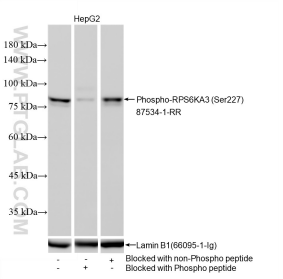
Ribosomal S6 Kinase 2 (RSK2), a member of the p90RSK family of serine/threonine kinases, is known to be phosphorylated at Ser227 and Th577 in response to Adriamycin-induced DNA damage. This phosphorylation promotes RSK2 nuclear translocation and enhances RSK2 and Atm interactions in the nuclear fraction, 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 -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

## 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. This data was developed using the same antibody clone with 87534-1-PBS in a different storage buffer formulation.