For Research Use Only

Phospho-S6 Ribosomal protein (Ser235/236) Recombinant antibody

Catalog Number:80130-2-RR 1 Publications

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Basic Information

Catalog Number:
80130-2-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001010

GeneID (NCBI):
6194

UNIPROT ID:
P62753

Full Name:
ribosomal protein S6

Observed MW:
35 kDa

Purification Method:
Protein A purfication

CloneNo.:
241018D12

Recommended Dilutions:
WB 1:2000-1:10000
IF/ICC 1:250-1:1000

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Positive Controls:

WB : PDGF treated HEK-293 cells, PDGF treated C6 cells, PDGF treated NIH/3T3 cells

IF/ICC : 100 nM Calyculin A (30 minutes) treated HeLa cells,

Background Information

The ribosomal protein S6 (rpS6) is a component of the small 40S ribosomal subunit implicated in mRNA decoding. rpS6 is phosphorylated at multiple sites, comprised between Ser235 and Ser247, by the p70 rpS6 kinase (S6K) 1, which is a major downstream effector of the mammalian target of rapamycin complex 1 (mTORC1). Phosphorylation of rpS6 at the dual site Ser235/236 occurs also independently of mTORC1, via the p90 ribosomal S6 kinases (RSK), which are activated by the extracellular signal-regulated kinases (ERK). (PMID: 21814187)

Notable Publications

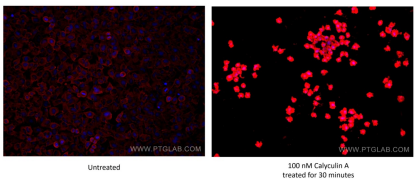
Author	Pubmed ID	Journal	Application
Kunxiang Gong	39680126	Cell Mol Life Sci	WB

Storage

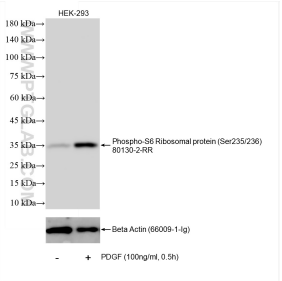
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

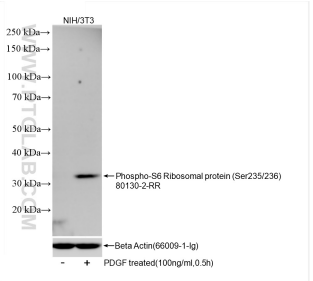
Selected Validation Data



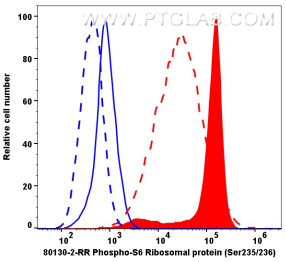
Immunofluorescent analysis of (4% PFA) fixed untreated and 100 nM Calyculin A (30 minutes) treated HeLa cells using Phospho-S6 Ribosomal protein (Ser235/236) antibody (80130-2-RR, Clone: 241018D12) at dilution of 1:500 and Multi-rAb CoraLite ® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (Cat.NO. RGAR004).



Non-treated and PDGF (HZ-1215) treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80130-2-RR (Phospho-S6 Ribosomal protein (Ser235/236)) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



Non-treated and PDGF (HZ-1215) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80130-2-RR (Phospho-S6 Ribosomal protein (Ser235/236) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



1x10^6 untreated HeLa cells (dash lines) and 100 nM Calyculin A (30 minutes) treated HeLa cells (full lines) were intracellularly stained with 0.4 μg Phospho-S6 Ribosomal protein (Ser235/236) Recombinant antibody (80130-2-RR, Clone: 241018D12, red) and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (Cat.NO. RGAR005). Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9, blue) was parallel stained as