For Research Use Only

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

Catalog Number:87071-2-RR

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Basic Information

Catalog Number:
87071-2-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC000524

GeneID (NCBI):
6194

UNIPROT ID:
P62753

Full Name:
ribosomal protein S6

Calculated MW:
29 kDa

Observed MW:
32 kDa

Purification Method:
Protein A purification

CloneNo.:
252281E7

Recommended Dilutions:
WB: 1:1000-1:4000
IF-P: 1:200-1:800

Applications

Tested Applications:
WB, IF-P, ELISA

Species Specificity:
human

Positive Controls:

WB : IGF-1 treated MCF-7 cells,

IF-P : human pancreas tissue,

Background Information

Ribosomal protein S6 (RPS6),Phosphoprotein NP33.It may play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA. Mitogens also stimulate p90 ribosomal S6 kinases (RSK1-4), which can phosphorylate the same Ser235/236 residues independently of mTOR, providing a parallel pathway that links MAPK activation to translational control. (PMID: 17360704)

Storage

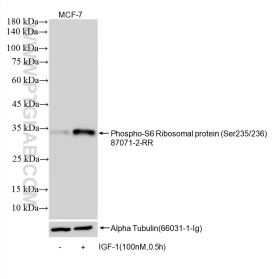
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

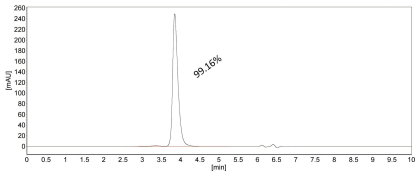
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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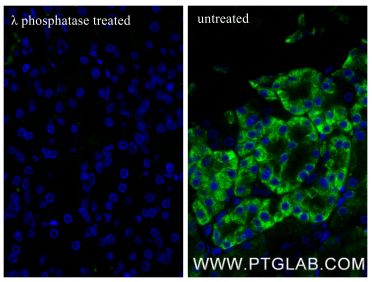
Selected Validation Data



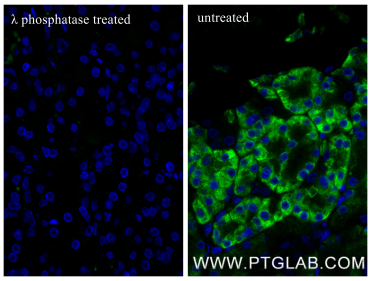
Non-treated MCF-7 cells and IGF-1 treated MCF-7 cells were subjected to SDS PAGE followed by western blot with 87071-2-RR (Phospho-S6 Ribosomal protein (Ser235/236) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.



The purity of Human Phospho-S6 Ribosomal protein (Ser235/236) Recombinant monoclonal antibody (Cat. No. 87071-2-RR) was greater than 95% as determined by SEC-HPLC.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded λ phosphatase treated human pancreas tissue using Phospho-S6 Ribosomal protein (Ser235/236) antibody (87071-2-RR, Clone: 252281E7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human pancreas tissue using Phospho-S6 Ribosomal protein (Ser235/236) antibody (87071-2-RR, Clone: 252281E7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).