For Research Use Only

Phospho-GRB10 (Ser476) Polyclonal antibody

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Catalog Number:28873-1-AP

Basic Information

Catalog Number:
28873-1-AP

Size:
350 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC024285

GeneID (NCBI):
2887

UNIPROT ID:
Q13322

Full Name:
growth factor receptor-bound protein 10

Calculated MW:
536aa,61 kDa; 594aa,67 kDa

Observed MW:
70-80 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB,ELISA

Species Specificity:
Human, Mouse

Positive Controls:

WB : λ phosphatase treated NIH/3T3 cells,

Background Information

Growth factor receptor-bound protein 10 (GRB10) is an adapter protein which modulates coupling of a number of cell surface receptor kinases with specific signaling pathways. GRB10 has three consensus domains including pleckstrin homology (PH) domain, SH2/SH3 domain and Ras-associating domain. By binding to kinases, GRB10 suppresses signals from activated receptors tyrosine kinases, including the INSR and INS-like growth factor (IGF1R) receptors. It may play a role in mediating INS-stimulated ubiquitination of INSR, leading to proteasomal degradation. It has been reported that GRB10 is a direct substrate of mechanistic/mammalian target of mTOR and can be phosphorylated at Ser150, Ser428 and Ser476 identified as MAPK-mediated phosphorylation sites. (PMID: 15952796, 24746805, 21659605)

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:
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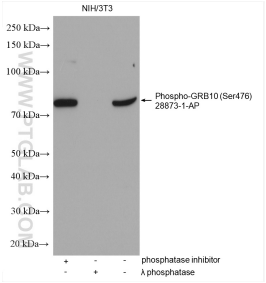
Selected Validation Data



Non-treated NIH/3T3, phosphatase inhibitor treated and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28873-1-AP (Phospho-GRB10 (Ser476) antibody) at dilution of 1:1000 incubated at 4℃ overnight.