

For Research Use Only

# Phospho-GRB10 (Ser476) Recombinant antibody

Catalog Number: 80103-2-RR



## Basic Information

Catalog Number:

80103-2-RR

Size:

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

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:

Protein A purification

CloneNo.:

241531D11

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: NIH/3T3 cells, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

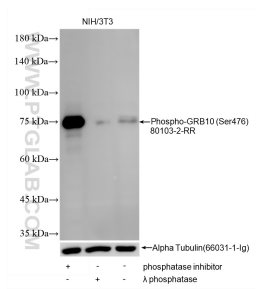
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Non-treated NIH/3T3 cells, phosphatase inhibitor treated NIH/3T3 cells and  $\lambda$  phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80103-2-RR (Phospho-GRB10 (Ser476) antibody) at dilution of 1:5000 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.