

For Research Use Only

GRB10 Recombinant antibody, PBS Only



Catalog Number: 81225-1-PBS

Basic Information

Catalog Number:

81225-1-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20355

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:

60-70 kDa

Purification Method:

Protein A purification

CloneNo.:

1D13

Applications

Tested Applications:

Indirect ELISA, IF/ICC, WB

Species Specificity:

rat, mouse, human

Background Information

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 INSR and IGF1R. It may play a role in mediating ubiquitination of INSR, leading to proteasomal degradation. GRB10 has 4 isoforms with the molecular mass of 60-70 kDa, which are produced by alternative splicing.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

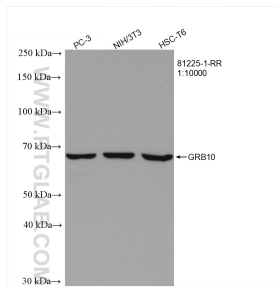
T: 4006900926

E: Proteintech-CN@ptglab.com

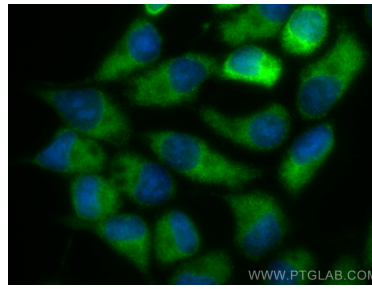
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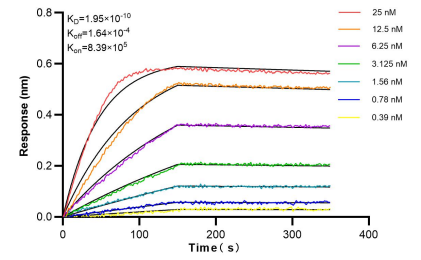
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81225-1-RR (GRB10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81225-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed LNCaP cells using GRB10 antibody (81225-1-RR, Clone: 1D13) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81225-1-PBS in a different storage buffer formulation.



Biacore interferometry (BLI) kinetic assays of 81225-1-RR against Human GRB10 were performed. The affinity constant is 0.195 nM.