

For Research Use Only

GRB10 Recombinant antibody

Catalog Number:81225-1-RR



Basic Information

Catalog Number: 81225-1-RR	GenBank Accession Number: BC024285	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2887	CloneNo.: 1D13
Source: Rabbit	UNIPROT ID: Q13322	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: growth factor receptor-bound protein 10	
Immunogen Catalog Number: AG20355	Calculated MW: 536aa,61 kDa; 594aa,67 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : PC-3 cells, NIH/3T3 cells, HSC-T6 cells
Species Specificity: human, mouse, rat	IF/ICC : LNCaP cells,

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 -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

*** 20ul sizes contain 0.1% BSA

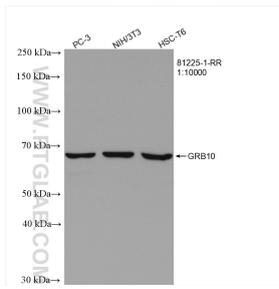
For technical support and original validation data for this product please contact:

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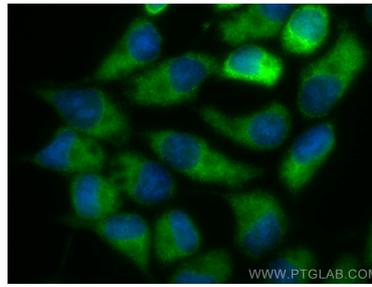
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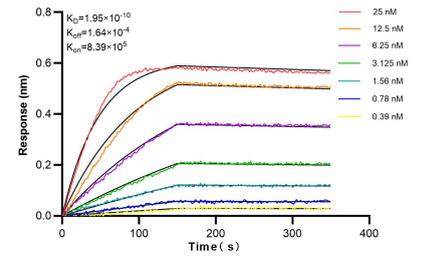
Selected Validation Data



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.



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).



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