

For Research Use Only

GRB10 Polyclonal antibody

Catalog Number: 23591-1-AP **7 Publications**



Basic Information

Catalog Number: 23591-1-AP	GenBank Accession Number: BC024285	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 2887	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q13322	
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: IF/ICC, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB: HeLa cells, HepG2 cells, mouse brain tissue, mouse liver tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC: human liver tissue, human kidney tissue
Cited Species: human, mouse	IF: HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ting Zhou	30376373	DNA Cell Biol	WB
Yuanbing Chen	35790975	Cancer Cell Int	WB
Xiaoxiao Wang	35401828	Theranostics	WB

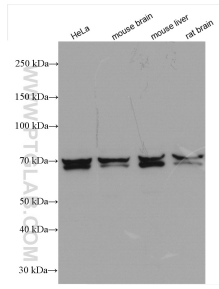
Storage

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

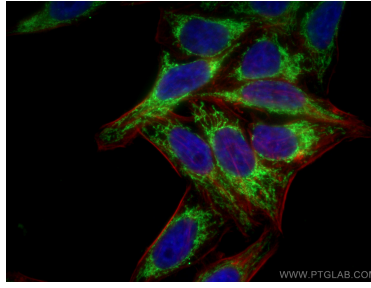
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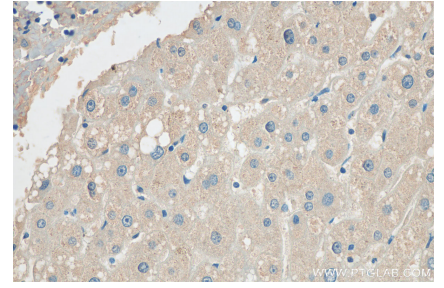
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23591-1-AP (GRB10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GRB10 antibody (23591-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23591-1-AP (GRB10 antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).