

GRB10 Polyclonal antibody

Catalog Number: 28872-1-AP

Basic Information

Catalog Number:

28872-1-AP

Size:

300 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:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

Positive Controls:

WB : BxPC-3 cells, HepG2 cells, mouse brain tissue, mouse pancreas tissue

IHC : human liver tissue,

Background Information

GRB10 is an adapter protein that modulates the 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

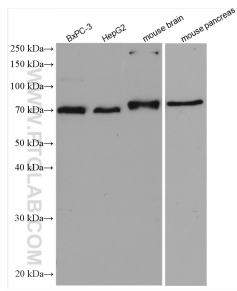
For technical support and original validation data for this product please contact:

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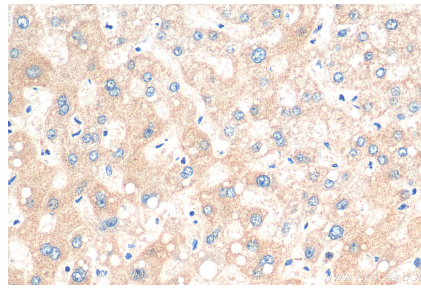
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28872-1-AP (GRB10 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 28872-1-AP (GRB10 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).