

For Research Use Only

GFRA2 Polyclonal antibody

Catalog Number: 21973-1-AP **2 Publications**



Basic Information

Catalog Number: 21973-1-AP	GenBank Accession Number: BC041688	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2675	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: GDNF family receptor alpha 2	
Isotype: IgG	Calculated MW: 464 aa, 52 kDa	
Immunogen Catalog Number: AG16893	Observed MW: 34-40 kDa, 50-55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: HepG2 cells, multi-cells/tissue
Cited Applications: IHC, WB	IHC: human liver tissue,
Species Specificity: human, mouse	
Cited Species: human, rat	

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

GFRA2, also named as GDNFRB, RETL2 and TRNR2, belongs to the GDNFR family. It is a receptor for neurturin. GFRA2 mediates the NRTN-induced autophosphorylation and activation of the RET receptor. It is a potent survival factor for central dopaminergic neurons, motor neurons, and several other populations of neurons in the central and peripheral nervous systems. The GDNF signal is mediated by a complex of the receptor tyrosine kinase RET and a glycosylphosphatidylinositol (GPI)-linked protein, GDNFRA. GFRA2 has three isoforms with MW 34-36 kDa, 39-41 kDa and 50-55 kDa. This antibody recognizes all the three isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Guo-Qing Wang	31210367	Biotechnol Appl Biochem	WB
Jiangning Gu	27400681	Cancer Lett	IHC

Storage

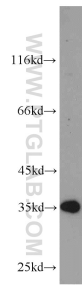
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

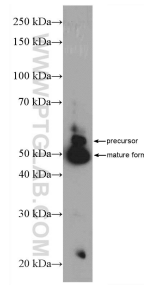
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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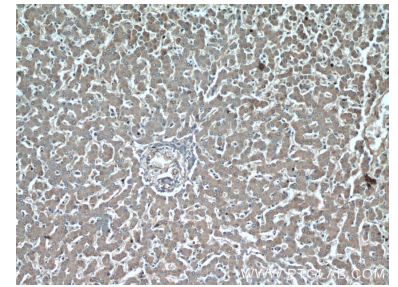
Selected Validation Data



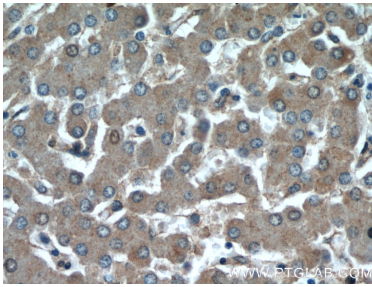
HepG2 cells were subjected to SDS PAGE followed by western blot with 21973-1-AP (GFRA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21973-1-AP (GFRA2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 21973-1-AP (GFRA2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 21973-1-AP (GFRA2 antibody) at dilution of 1:50 (under 40x lens).