

For Research Use Only

# GFRA2 Polyclonal antibody

Catalog Number: 21973-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 21973-1-AP	<b>GenBank Accession Number:</b> BC041688	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 650 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2675	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00451	
<b>Isotype:</b> IgG	<b>Full Name:</b> GDNF family receptor alpha 2	
<b>Immunogen Catalog Number:</b> AG16893	<b>Calculated MW:</b> 464 aa, 52 kDa	
	<b>Observed MW:</b> 34-40 kDa, 50-55 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, multi-cells/tissue IHC : human liver tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> 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
Luoying Wang	39505982	Sci Rep	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

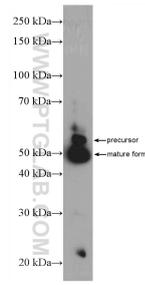
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

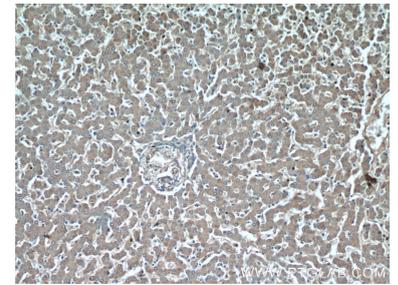
## Selected Validation Data



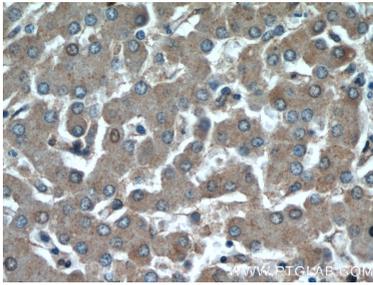
HepG2 cells were subjected to SDS PAGE followed by western blot with 21973-1-AP (GFRA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).