

For Research Use Only

# GABRA1 Polyclonal antibody

Catalog Number: 12410-1-AP **35 Publications**



## Basic Information

<b>Catalog Number:</b> 12410-1-AP	<b>GenBank Accession Number:</b> BC030696	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2554	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14867	
<b>Isotype:</b> IgG	<b>Full Name:</b> gamma-aminobutyric acid (GABA) A receptor, alpha 1	
<b>Immunogen Catalog Number:</b> AG3117	<b>Calculated MW:</b> 456 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, zebrafish

**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: mouse brain tissue, rat brain tissue

IP: mouse brain tissue,

IHC: rat brain tissue, mouse brain tissue

## Notable Publications

Author	Pubmed ID	Journal	Application
Changyu Jiang	33083737	iScience	WB
Yifei Xu	36120289	Front Pharmacol	WB
Juan Mo	30347267	Neurobiol Dis	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

\*\*\* 20ul sizes contain 0.1% BSA

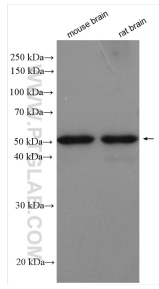
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

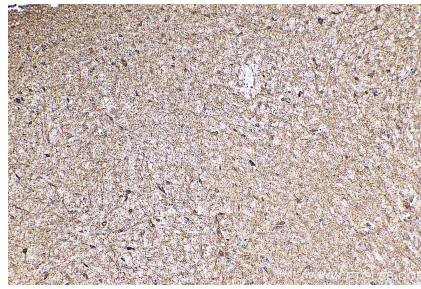
E: proteintech@ptglab.com  
W: ptglab.com

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

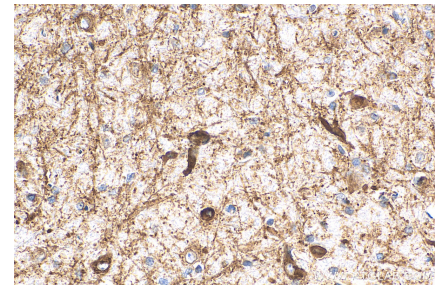
## Selected Validation Data



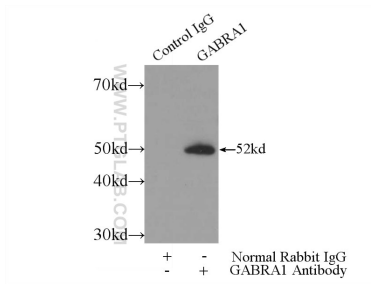
Various lysates were subjected to SDS PAGE followed by western blot with 12410-1-AP (GABRA1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12410-1-AP (GABRA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12410-1-AP (GABRA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GABRA1 (IP:12410-1-AP, 3ug; Detection:12410-1-AP 1:400) with mouse brain tissue lysate 3600ug.