

For Research Use Only

# GABRG2 Polyclonal antibody

Catalog Number: 14104-1-AP **12 Publications**



## Basic Information

<b>Catalog Number:</b> 14104-1-AP	<b>GenBank Accession Number:</b> BC059389	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2566	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18507	
<b>Isotype:</b> IgG	<b>Full Name:</b> gamma-aminobutyric acid (GABA) A receptor, gamma 2	
<b>Immunogen Catalog Number:</b> AG5237	<b>Calculated MW:</b> 467 aa, 54 kDa	
	<b>Observed MW:</b> 54-60 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, IP, ELISA	<b>Positive Controls:</b> WB : Neuro-2a cells, mouse brain tissue IP : mouse brain tissue, IF-P : mouse cerebellum tissue,
<b>Cited Applications:</b> WB, IHC, IF, IP	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

## Background Information

GABRG2 (gamma-aminobutyric acid type A receptor subunit gamma2), which is expected to be located in cell membrane and expressed in brain and retina. The calculated molecular weight of the protein is 54 kDa. This antibody can recognize the 43 kDa band of target (PMID:12091434). And it also has glycosylation modification. GABA is the major inhibitory neurotransmitter in the mammalian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Yang	30333479	Cell Death Dis	WB
Juan Yang	32436359	CNS Neurosci Ther	WB,IP
Qian Xu	25556683	Neurosci Lett	IHC, IF

## Storage

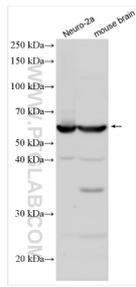
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

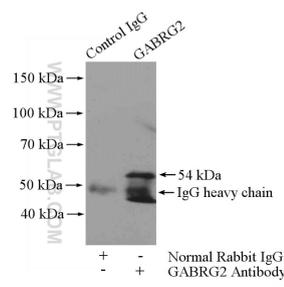
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

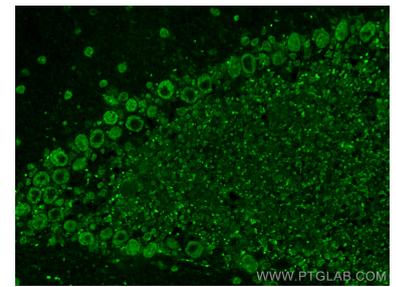
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14104-1-AP (GABRG2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-GABRG2 (IP:14104-1-AP, 4ug; Detection:14104-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using GABRG2 antibody (14104-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).