

For Research Use Only

GABRA2 Recombinant antibody

Catalog Number: 83057-2-RR

1 Publications



Basic Information

Catalog Number:

83057-2-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29301

GenBank Accession Number:

NM_000807

GeneID (NCBI):

2555

UNIPROT ID:

P47869

Full Name:

gamma-aminobutyric acid (GABA) A receptor, alpha 2

Calculated MW:

51 kDa

Observed MW:

50-51 kDa

Purification Method:

Protein A purification

CloneNo.:

230158E6

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse cerebellum tissue, mouse brain tissue, rat brain tissue

Background Information

GABRA2 (gamma-aminobutyric acid type A receptor subunit alpha2), also known as DEE78. It is expected to be located in cell membrane, and the protein is highly expressed in brain. The protein is a ligand-gated chloride channel, which is a component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the brain (PubMed:29961870). It also plays an important role in the formation of functional inhibitory GABAergic synapses in addition to mediating synaptic inhibition as a GABA-gated ion channel (PubMed:29961870). The calculated molecular weight of GABRA2 is 51 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Rui Li	39374877	J Ethnopharmacol	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

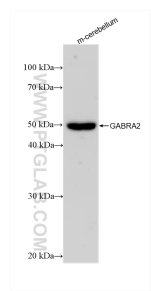
For technical support and original validation data for this product please contact:

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

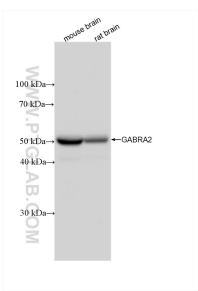
E: proteintech@ptglab.com
W: ptglab.com

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

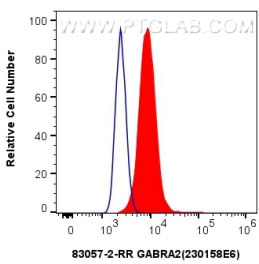
Selected Validation Data



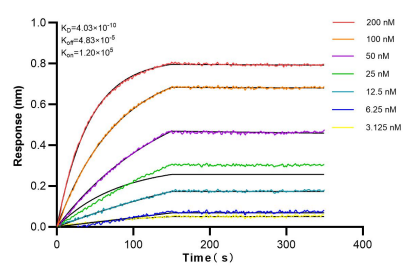
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 83057-2-RR (GABRA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 83057-2-RR (GABRA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug GABRA2 Recombinant antibody (83057-2-RR, Clone:230158E6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83057-2-RR against Human GABRA2 were performed. The affinity constant is 0.403 nM.