

For Research Use Only

GABRA2 Recombinant antibody

Catalog Number: 83057-2-RR **1 Publications**



Basic Information

Catalog Number: 83057-2-RR	GenBank Accession Number: NM_000807	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 2555	CloneNo.: 230158E6
Source: Rabbit	UNIPROT ID: P47869	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: gamma-aminobutyric acid (GABA) A receptor, alpha 2	
Immunogen Catalog Number: AG29301	Calculated MW: 51 kDa	
	Observed MW: 50-51 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : mouse cerebellum tissue, mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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

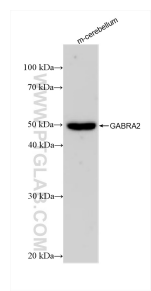
Storage

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

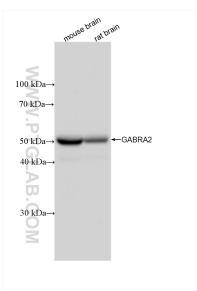
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

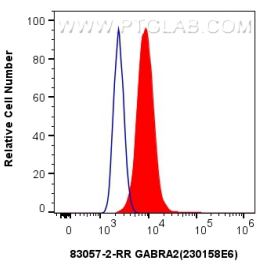
Selected Validation Data



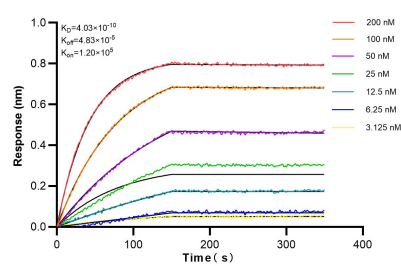
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 83057-2-RR (GABRA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.