

For Research Use Only

CoraLite® Plus 750-conjugated GABRA2 Recombinant antibody

Catalog Number: CL750-83057-2



Basic Information

Catalog Number: CL750-83057-2	GenBank Accession Number: NM_000807	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2555	CloneNo.: 230158E6
Source: Rabbit	UNIPROT ID: P47869	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG	Full Name: gamma-aminobutyric acid (GABA) A receptor, alpha 2	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: AG29301	Calculated MW: 51 kDa	
	Observed MW: 50-51 kDa	

Applications

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

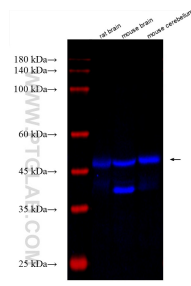
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

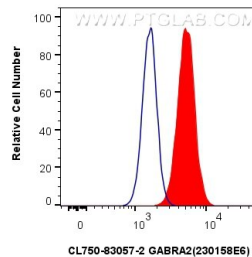
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-83057-2 (GABRA2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



1×10^6 A549 cells were intracellularly stained with 0.4 μ g CoraLite® Plus 750-conjugated GABRA2 Recombinant antibody (CL750-83057-2, Clone:230158E6)(red), or 4 μ g Isotype Control (CL750-30000, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).