

For Research Use Only

CoraLite® Plus 750-conjugated GABRA2 Recombinant antibody

Catalog Number: CL750-83057-2



Basic Information

Catalog Number:

CL750-83057-2

Size:

1000 ug/ml

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 1:500-1:1000

Excitation/Emission maxima
wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

WB, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

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:

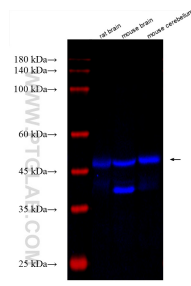
T: 4006900926

E: Proteintech-CN@ptglab.com

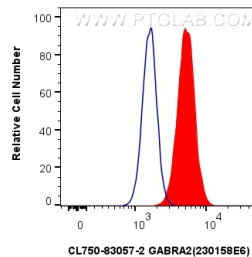
W: ptgcn.com

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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.



1x10⁶ A549 cells were intracellularly stained with 0.4 ug Coralite® Plus 750-conjugated GABRA2 Recombinant antibody (CL750-83057-2, Clone:230158E6)(red), or 4 ug Isotype Control (CL750-30000, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).