

For Research Use Only

GABRA2 Recombinant antibody

Catalog Number: 83057-4-RR



Basic Information

Catalog Number:

83057-4-RR

Concentration:

1000 μ g/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.:

230158H5

Applications

Tested Applications:

FC (Intra), ELISA

Species Specificity:

human

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

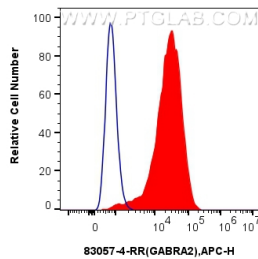
T: 4006900926

E: Proteintech-CN@ptglab.com

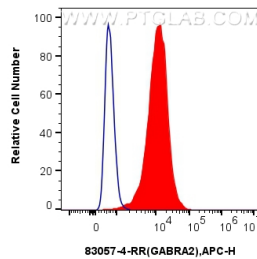
W: ptgcn.com

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

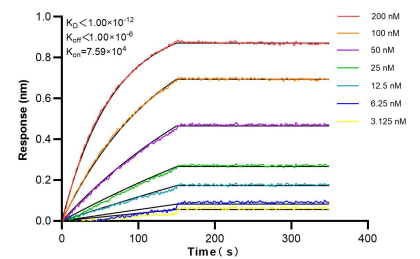
Selected Validation Data



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human GABRA2 (83057-4-RR, Clone:230158H5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ A549 cells were intracellularly stained with 0.25 ug Anti-Human GABRA2 (83057-4-RR, Clone:230158H5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83057-4-RR against Human GABRA2 were performed. The affinity constant is below 1 pM.