

For Research Use Only

# GABRA2 Recombinant antibody

Catalog Number: 83057-4-RR



## Basic Information

<b>Catalog Number:</b> 83057-4-RR	<b>GenBank Accession Number:</b> NM_000807	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 2555	<b>CloneNo.:</b> 230158H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P47869	
<b>Isotype:</b> IgG	<b>Full Name:</b> gamma-aminobutyric acid (GABA) A receptor, alpha 2	
<b>Immunogen Catalog Number:</b> AG29301	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 50-51 kDa	

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

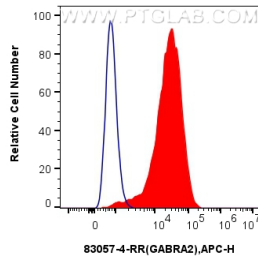
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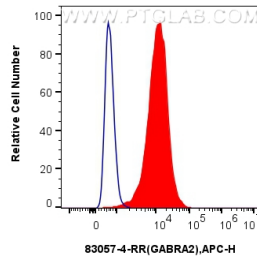
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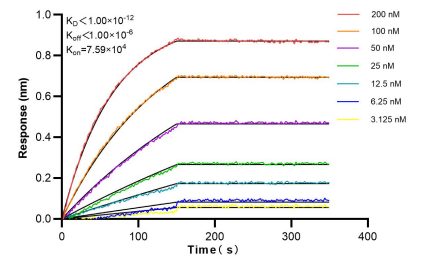
## Selected Validation Data



1x10<sup>6</sup> 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 (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10<sup>6</sup> 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 (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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