

For Research Use Only

# GABRA4 Recombinant antibody, PBS Only



Catalog Number: 83030-4-PBS

## Basic Information

<b>Catalog Number:</b> 83030-4-PBS	<b>GenBank Accession Number:</b> BC035055	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2557	<b>CloneNo.:</b> 230302A4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P48169	
<b>Isotype:</b> IgG	<b>Full Name:</b> gamma-aminobutyric acid (GABA) A receptor, alpha 4	
<b>Immunogen Catalog Number:</b> AG3600	<b>Calculated MW:</b> 554 aa, 62 kDa	
	<b>Observed MW:</b> 62-70 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, FC

**Species Specificity:**  
Human

## Background Information

Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABRA4, encoding the extrasynaptically located  $\alpha$  4 - subunit of the GABAA receptor, is involved in the etiology of autism. (PMID: 32028044, 32033586)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

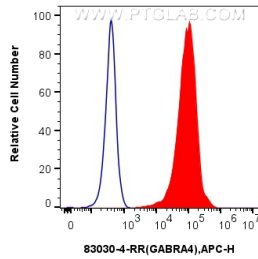
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

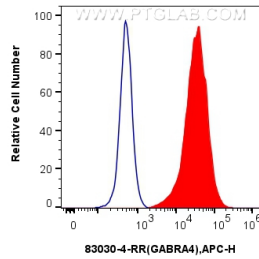
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## Selected Validation Data



1x10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.25 ug Anti-Human GABRA4 (83030-4-RR, Clone:230302A4) 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). This data was developed using the same antibody clone with 83030-4-PBS in a different storage buffer formulation.



1x10<sup>6</sup> PC-3 cells were intracellularly stained with 0.25 ug Anti-Human GABRA4 (83030-4-RR, Clone:230302A4) 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). This data was developed using the same antibody clone with 83030-4-PBS in a different storage buffer formulation.