

For Research Use Only

# GPR52 Polyclonal antibody, PBS Only

Catalog Number: 30863-1-PBS



## Basic Information

<b>Catalog Number:</b> 30863-1-PBS	<b>GenBank Accession Number:</b> BC067456	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9293	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2T5	
<b>Isotype:</b> IgG	<b>Full Name:</b> G protein-coupled receptor 52	
<b>Immunogen Catalog Number:</b> AG31188	<b>Calculated MW:</b> 361 aa, 41 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

GPR52, or G protein-coupled receptor 52, is an orphan G protein-coupled receptor (GPCR) that constitutively increases cellular cAMP levels and is coupled to the Gs protein, which activates adenylyl cyclase. Agonism of GPR52 has been proposed as a therapeutic intervention for the psychotic and cognitive aspects of schizophrenia. Its role in modulating neurotransmission and the identification of ligands that can interact with it highlight its potential in therapeutic development.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

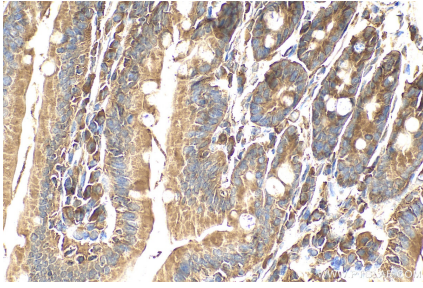
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

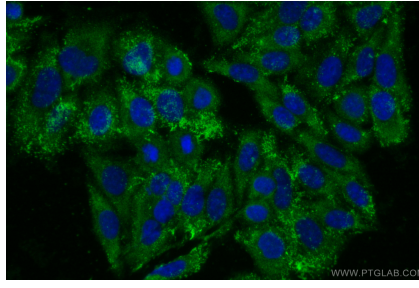
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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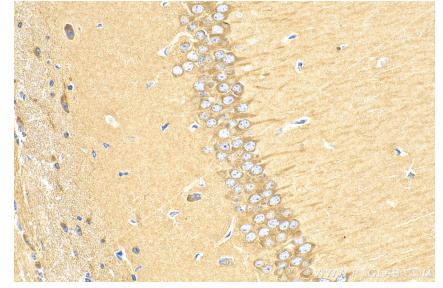
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 30863-1-AP (GPR52 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30863-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GPR52 antibody (30863-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 30863-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30863-1-AP (GPR52 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30863-1-PBS in a different storage buffer formulation.