

For Research Use Only

GPR52 Polyclonal antibody

Catalog Number: 30863-1-AP



Basic Information

Catalog Number: 30863-1-AP	GenBank Accession Number: BC067456	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 9293	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y2T5	IF/ICC 1:50-1:500
Isotype: IgG	Full Name: G protein-coupled receptor 52	
Immunogen Catalog Number: AG31188	Calculated MW: 361 aa, 41 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : mouse small intestine tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : HepG2 cells,

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 adenylate 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

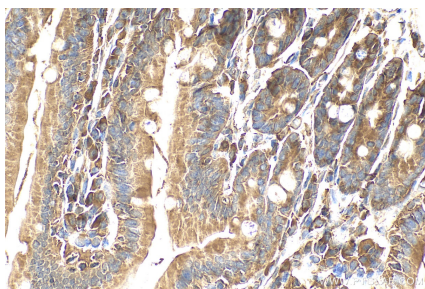
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

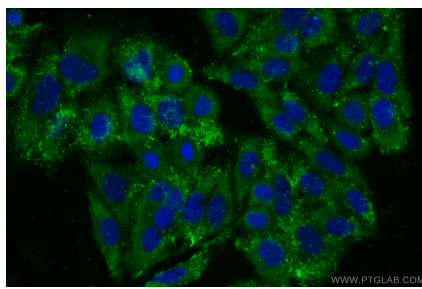
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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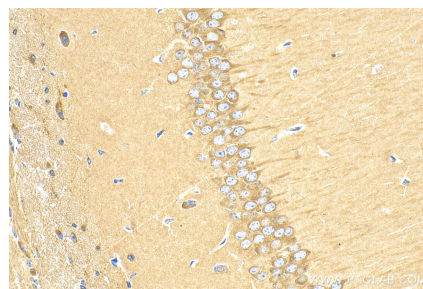
Selected Validation Data



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).



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).



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).