

For Research Use Only

GPR112 Polyclonal antibody

Catalog Number:31781-1-AP



Basic Information

Catalog Number: 31781-1-AP	GenBank Accession Number: NM_153834	Purification Method: Antigen affinity Purification
Size: 1100 ug/ml	GeneID (NCBI): 139378	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8IZF6	
Isotype: IgG	Full Name: G protein-coupled receptor 112	
Immunogen Catalog Number: AG36114	Calculated MW: 333kDa	

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse colon tissue,

IF/ICC : RAW 264.7 cells,

Background Information

GPR112 is a member of the adhesion G protein-coupled receptor (aGPCR) family. These receptors are characterized by a complex architecture and large size, mainly attributed to their N terminus, which contains a variety of domains involved in cell-cell and cell-matrix interactions. The function of GPR112 and other aGPCRs is closely related to key aspects of the development, architecture, and function of the nervous system. They are involved in neuronal migration, axon guidance, dendritogenesis, and synaptogenesis. Additionally, aGPCRs, including GPR112, have been implicated in the development of myelinating glial cells, which are crucial for proper neuronal signal propagation.

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:

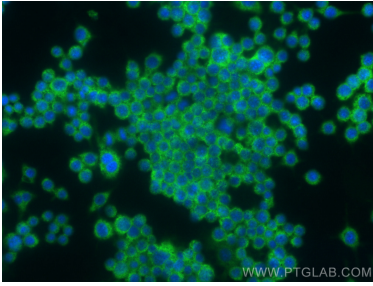
T: 4006900926

E: Proteintech-CN@ptglab.com

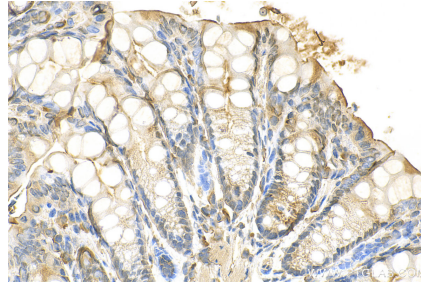
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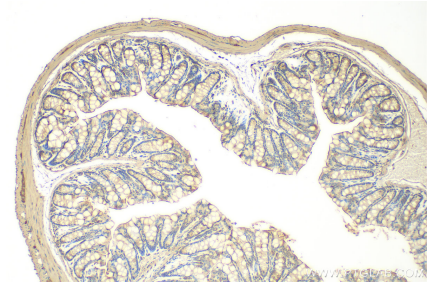
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using GPR112 antibody (31781-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 31781-1-AP (GPR112 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 31781-1-AP (GPR112 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).