

For Research Use Only

MRGPRD Polyclonal antibody

Catalog Number: 23640-1-AP



Basic Information

Catalog Number:	23640-1-AP	GenBank Accession Number:	BC156660	Purification Method:	Antigen Affinity purified
Size:	850 ug/ml	GeneID (NCBI):	116512	Recommended Dilutions:	IHC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q8TDS7		IF-P 1:200-1:800
Isotype:	IgG	Full Name:	MAS-related GPR, member D		
Immunogen Catalog Number:	AG20316	Calculated MW:	321 aa, 36 kDa		

Applications

Tested Applications:

IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

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 small intestine tissue, rat dorsal root ganglion tissue

IF-P : mouse small intestine tissue,

Background Information

MRGPRD (MAS-related G-protein coupled receptor, D), also referred to as hGPCR45 or TGR7, was identified as a novel GPCR in murine and human genomes. As for MRGD, its expression was found in dorsal root ganglia (DRG) and co-localized with Vanilloid receptor-1 (VR-1), which is an essential receptor for heat and pain sensation (PMID: 22715397).

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:

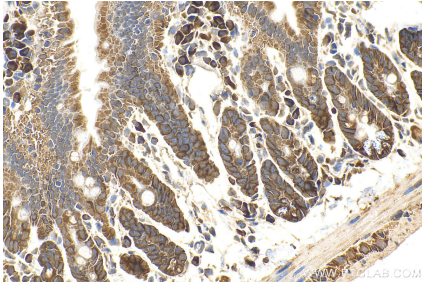
T: 4006900926

E: Proteintech-CN@ptglab.com

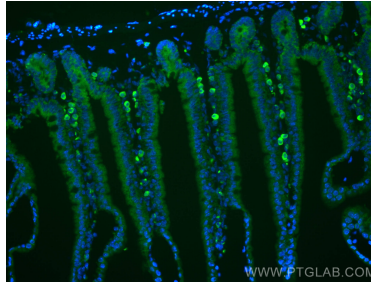
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

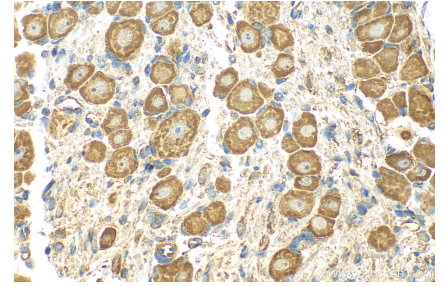
Selected Validation Data



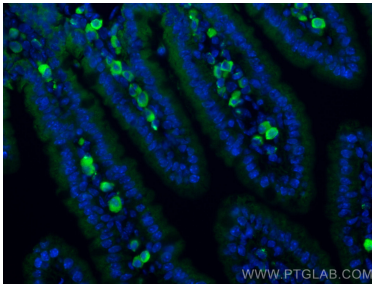
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 23640-1-AP (MRGPRD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using MRGPRD antibody (23640-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat dorsal root ganglion tissue slide using 23640-1-AP (MRGPRD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using MRGPRD antibody (23640-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).