

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: 150ul , Concentration: 850 µg/ml by Nanodrop;	GeneID (NCBI): 116512	Recommended Dilutions: IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8TDS7	
Isotype: IgG	Full Name: MAS-related GPR, member D	
Immunogen Catalog Number: AG20316	Calculated MW: 321 aa, 36 kDa	

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	IHC : mouse small intestine tissue, rat dorsal root ganglion 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 : 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

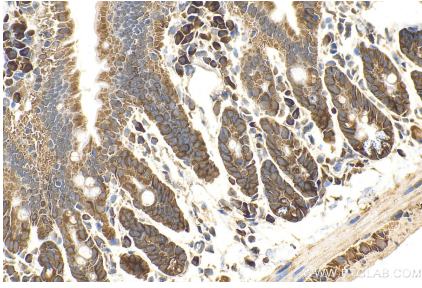
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

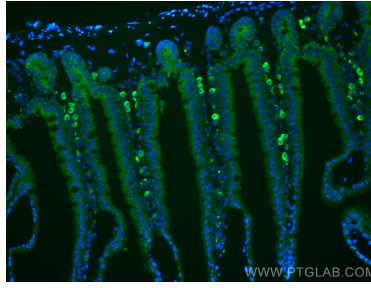
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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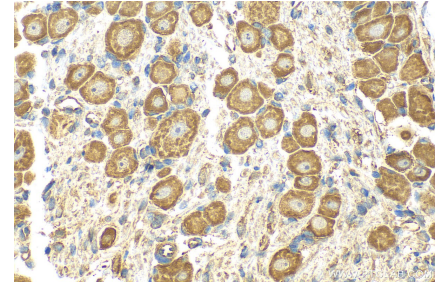
Selected Validation Data



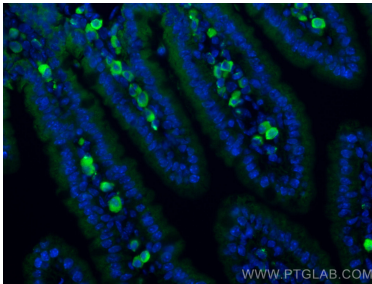
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 23640-1-AP (MRGPRD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).