

For Research Use Only

# MRGPRD Polyclonal antibody

Catalog Number: 23640-1-AP



## Basic Information

<b>Catalog Number:</b> 23640-1-AP	<b>GenBank Accession Number:</b> BC156660	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 850 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 116512	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF-P 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TDS7	
<b>Isotype:</b> IgG	<b>Full Name:</b> MAS-related GPR, member D	
<b>Immunogen Catalog Number:</b> AG20316	<b>Calculated MW:</b> 321 aa, 36 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse small intestine tissue, rat dorsal root ganglion tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF-P :</b> 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

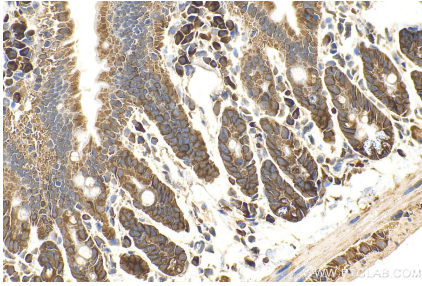
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

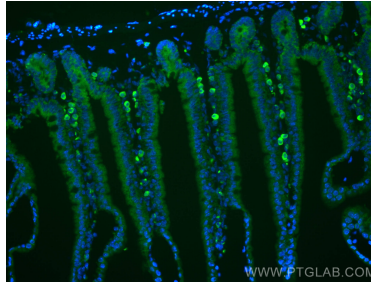
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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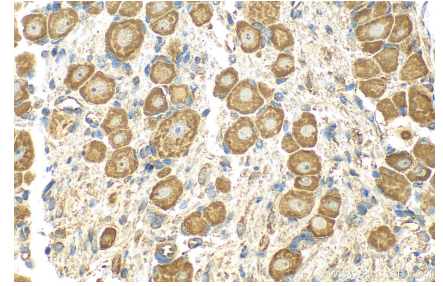
## Selected Validation Data



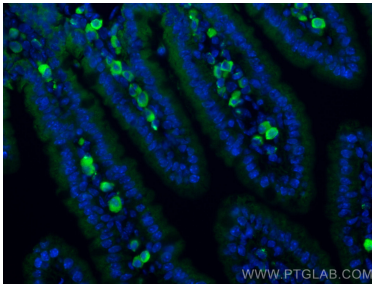
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 23640-1-AP (MRGPRD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).