

For Research Use Only

# MRGPRD Polyclonal antibody, PBS Only

Catalog Number: 23640-1-PBS



## Basic Information

**Catalog Number:**

23640-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG20316

**GenBank Accession Number:**

BC156660

**GeneID (NCBI):**

116512

**UNIPROT ID:**

Q8TDS7

**Full Name:**

MAS-related GPR, member D

**Calculated MW:**

321 aa, 36 kDa

**Purification Method:**

Antigen Affinity purified

## Applications

**Tested Applications:**

IHC, IF-P, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS Only

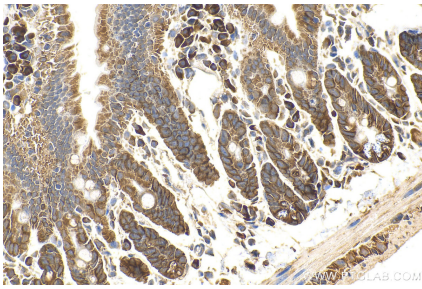
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

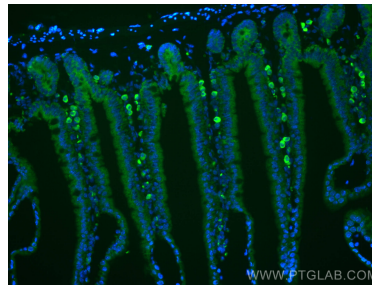
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

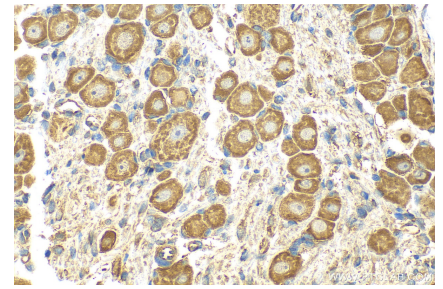
## Selected Validation Data



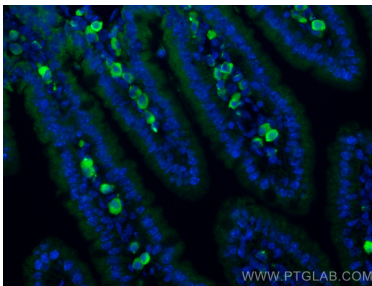
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 23640-1-AP (MRGPRD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23640-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 23640-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 23640-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 23640-1-PBS in a different storage buffer formulation.