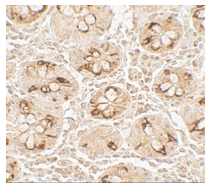
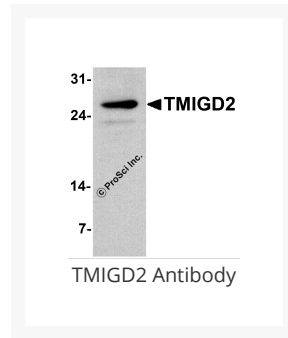




TMIGD2 Antibody

Cat. No.: 7617



Immunohistochemistry of TMIGD2 in human small intestine tissue with TMIGD2 antibody at 5 μ g/mL.

Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse
IMMUNOGEN:	TMIGD2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human TMIGD2. The immunogen is located within the last 50 amino acids of TMIGD2.
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	TMIGD2 antibody can be used for detection of TMIGD2 by Western blot at 1 - 2 μ g/ml. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. Antibody validated: Western Blot in mouse samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

SPECIFICITY:	TMIGD2 antibody is human and mouse reactive. At least three isoforms of TMIGD2 are known to exist; this antibody will detect all three. TMIGD2 antibody is predicted to not cross-react with TMIGD1.
POSITIVE CONTROL:	1) Cat. No. 1408 - Mouse Small Intestine Tissue Lysate 2) Cat. No. 11-801 - Human Small Intestine Tissue Slide
PREDICTED MOLECULAR WEIGHT:	Predicted: 31 kDa Observed: 26 kDa

Ψ Properties

PURIFICATION:	TMIGD2 antibody is affinity chromatography purified via peptide column.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	TMIGD2 antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	TMIGD2 antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year.

Ψ Additional Info

OFFICIAL SYMBOL:	TMIGD2
ALTERNATE NAMES:	TMIGD2 Antibody: IGPR1, IGPR-1, IGPR1, UNQ3059/PRO9879, Transmembrane and immunoglobulin domain-containing protein 2, Immunoglobulin and proline-rich receptor 1
ACCESSION NO.:	NP_653216
PROTEIN GI NO.:	281306838
GENE ID:	126259
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	TMIGD2 (transmembrane and immunoglobulin domain containing 1), also known as immunoglobulin-containing and proline-rich receptor 1 (IGPR1), is novel adhesion molecule that is expressed in multiple tissues, primarily in cells of epithelium and endothelium origins (1). TMIGD2 is thought to be involved in angiogenesis and regulates cellular morphology, homophilic cell aggregation, and cell-cell interaction. TMIGD2 activity also modulates actin stress fiber formation and focal adhesion and reduces cell migration (1).
REFERENCES:	1) Rahimi N, Rezazadeh K, Mahoney JE, et al. Identification of IGPR-1 as a novel adhesion molecule involved in angiogenesis. Mol. Biol. Cell 2012; 23:1646-56.

ANTIBODIES FOR RESEARCH USE ONLY.

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