

TMIGD1 Antibody

Catalog # ASC11739

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q6UXZ0
Other Accession	NP_996663 , 45592949
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	29185
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TMIGD1 antibody can be used for detection of TMIGD1 by Western blot at 1 - 2 μ g/ml. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	388364
Other Names	Transmembrane and immunoglobulin domain-containing protein 1, TMIGD1, TMIGD
Target/Specificity	TMIGD1; TMIGD1 antibody is human, mouse and rat reactive. At least two isoforms of TMIGD1 are known to exist; this antibody will detect both isoforms.
Reconstitution & Storage	TMIGD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	TMIGD1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMIGD1 (HGNC:32431)
Function	May control cell-cell adhesion, cell migration and proliferation, cell morphology, and protects renal epithelial cells from oxidative cell injury to promote cell survival.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cytoplasm

Background

TMIGD1 (transmembrane and immunoglobulin domain containing 1) is a 262 amino acid single-pass membrane protein that contains two Ig-like C2-type (immunoglobulin-like) domains (1,2). It is a nonsecreted, glycosylated protein located in the cytoplasm and cell membrane (1). TMIGD1 might be a possible cell-differentiation marker in the intestine, whose expression is lost during cellular transformation and promote progression of tumorigenesis in the intestinal epithelium (2-4). TMIGD1 has also been postulated to play a role in cell adhesion (2).

References

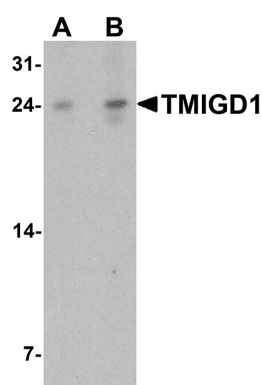
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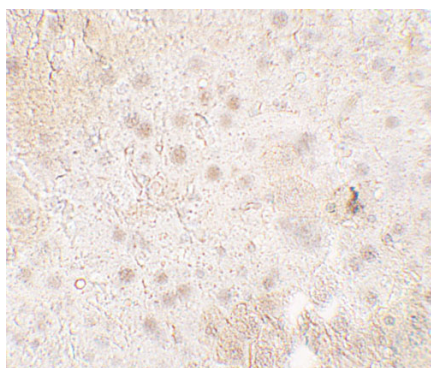
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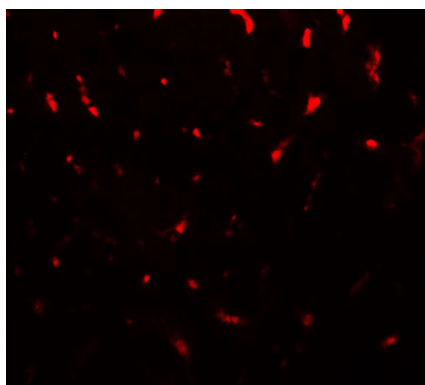
Images



Western blot analysis of TMIGD1 in rat liver tissue lysate with TMIGD1 antibody at (A) 1 and (B) 2 µg/ml.



Immunohistochemistry of TMIGD1 in mouse liver tissue with TMIGD1 antibody at 5 µg/mL.



Immunofluorescence of TMIGD1 in mouse liver tissue with TMIGD1 antibody at 20 µg/mL.

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