

## Anti-TMIGD1 Antibody

Catalog Number: A16616

### About TMIGD1

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).

### Overview

Product Name	Anti-TMIGD1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMIGD1 Antibody (Catalog # A16616). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMIGD1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TMIGD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q6UXZ0

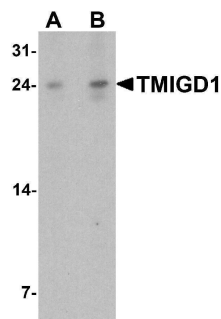
### Technical Details

Immunogen	TMIGD1 antibody was raised against an 18 amino acid peptide near the center of human TMIGD1. The immunogen is located within amino acids 150 - 200 of TMIGD1.
Predicted Reactive Species	Bovine
Cross Reactivity	TMIGD1 antibody is human, mouse and rat reactive. At least two isoforms of TMIGD1 are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TMIGD1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TMIGD1 antibody can be used for detection of TMIGD1 by Western blot at 1 - 2 ug/ml. Antibody can

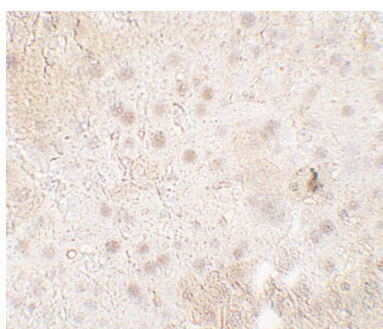
also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

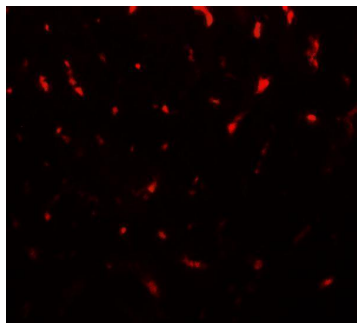
## Anti-TMIGD1 Antibody (A16616) Images



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



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



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

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Anti-TMIGD1 Antibody

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