BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TMIGD2 Antibody

Catalog Number: A11415

About TMIGD2

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).

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Overview

Product Name	Anti-TMIGD2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-TMIGD2 Antibody (Catalog # A11415). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	TMIGD2 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TMIGD2 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q96BF3

Technical Details

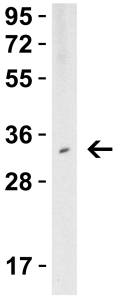
Immunogen	TMIGD2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human TMIGD2. The immunogen is located within the last 50 amino acids of TMIGD2.
Predicted Reactive Species	Rat
Cross Reactivity	TMIGD2 antibody is human reactive. At least two isoforms of TMIGD2 are known to exist; this antibody will detect both isoforms. TMIGD2 antibody is predicted to not cross-react with TMIGD1.

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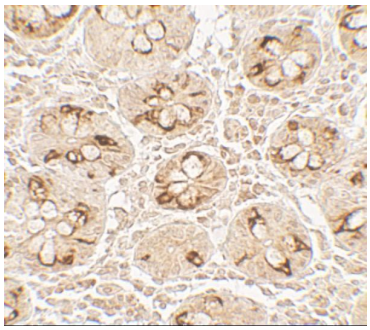
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TMIGD2 antibody is Antigen-affinity purified.
Suggested Dilutions	TMIGD2 antibody can be used for detection of TMIGD2 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry starting at 5 ug/mL. A Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples. All other applications not yet tested.

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Anti-TMIGD2 Antibody (A11415) Images



Western Blot Validation in Human Spleen Loading: 15 ug of lysate. Antibodies: TMIGD2, A11415 1 ug /mL, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry Validation of TMIGD2 in Human Small Intestine Tissue Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-TMIGD2 antibody (A11415) at 5 ug /ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚ C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

Anti-TMIGD2 Antibody

For Research Use Only. Not for use in diagnostic procedures.