

## Anti-TMBIM1/Recs1 Antibody

Catalog Number: A10501

### About TMBIM1

This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. TMBIM1 (Transmembrane BAX inhibitor motif-containing protein 1) is a member of the 7 TMS (7 transmembrane domains) family of receptors known to mediate the activation of various transcription factors. TMBIM1 is identified as a novel modulator of NF- $\kappa$ B activation. A drosophila homolog of this protein (dNMDA1 with 40% homology to hTMBIM1) is reported to be unregulated during aging and oxidative stress.

### Overview

Product Name	Anti-TMBIM1/Recs1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-TMBIM1/Recs1 Antibody (Catalog # A10501). Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q969X1

### Technical Details

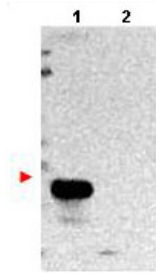
Immunogen	This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the amino terminus of human TMBIM1 protein.
Predicted Reactive Species	Chimpanzee
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.2 mg/mL by UV absorbance at 280 nm
Purification	This product was protein A purified from monospecific antiserum by immunoaffinity

chromatography using protein A coupled to agarose beads. This antibody is specific for human TMBIM1 protein. A BLAST analysis was used to suggest partial cross-reactivity with TMBIM1 from mouse and rat sources based on ~88% homology with the immunizing sequence. Cross-reactivity with TMBIM1 from other sources has not been determined.

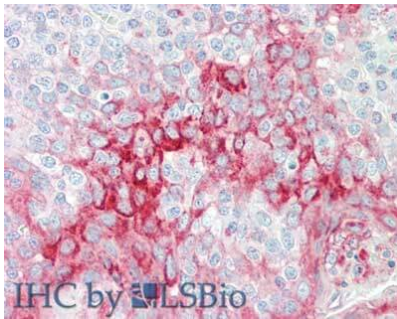
Suggested Dilutions

ELISA: 1:10,000  
IHC: 10µg/mL  
WB: 1:500 - 1:2,000  
This protein A purified antibody has been tested for use in ELISA, Immunohistochemistry, and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 35 kDa in size corresponding to TMBIM-1 by western blotting in the appropriate cell lysate or extract. To date this antibody has shown the ability to recognize over-expressed TMBIM1 but not endogenous protein.

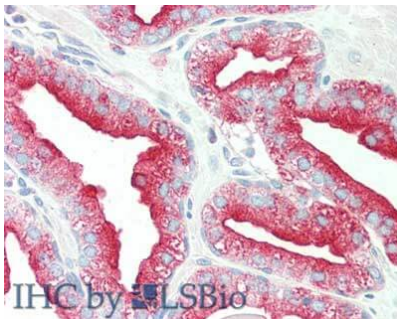
## Anti-TMBIM1/Recs1 Antibody (A10501) Images



Western blot using Boster's protein A purified anti-TMBIM1 antibody shows detection of exogenous TMBIM1 in lysates from HeLa cells transfected with pcDNA3-hTMBIM1 (lane 1). No staining is observed in lysates from mock transformed HeLa cells (lane 2). To date this antibody has shown the ability to recognize over expressed TMBIM1 ~35kDa, but not endogenous protein. The membrane was probed with the primary antibody at a 1:1,000 dilution at 4° C, overnight. Personal Communication from Srinivasa Srinivasula, CCR-NCI, Bethesda, MD.



Immunohistochemistry of Rabbit anti-TMBIM1 antibody. Tissue: human tonsil. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-TMBIM1 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: TMBIM1 as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry of Rabbit anti-TMBIM1 antibody. Tissue: human prostate. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-TMBIM1 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: TMBIM1 as precipitated red signal with hematoxylin purple nuclear counterstain.

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Anti-TMBIM1/Recs1 Antibody

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