

**Anti-TMBIM1 (RABBIT) Antibody**  
**TMBIM1 Antibody**  
**Catalog # ASR4418****Specification****Anti-TMBIM1 (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	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.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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.
Preservative	0.01% (w/v) Sodium Azide

**Anti-TMBIM1 (RABBIT) Antibody - Additional Information****Gene ID** 64114**Other Names**  
64114**Purity**

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.

**Storage Condition**

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.

#### Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

### Anti-TMBIM1 (RABBIT) Antibody - Protein Information

**Name** TMBIM1

**Synonyms** LFG3, RECS1

#### Function

Negatively regulates aortic matrix metalloproteinase-9 (MMP9) production and may play a protective role in vascular remodeling.

#### Cellular Location

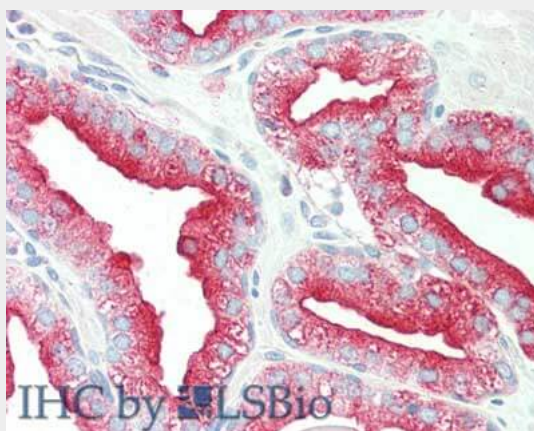
Membrane; Multi-pass membrane protein. Lysosome membrane Endosome membrane

### Anti-TMBIM1 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-TMBIM1 (RABBIT) Antibody - Images



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.

#### **Anti-TMBIM1 (RABBIT) Antibody - Background**

This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and 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.