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Anti-TMBIM1 Antibody

Catalog # AP60404

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q969X1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34607

Additional Information

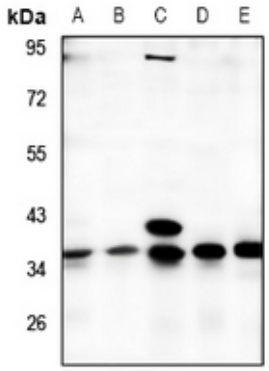
Gene ID	64114
Other Names	LFG3; RECS1; Protein lifeguard 3; Protein RECS1 homolog; Transmembrane BAX inhibitor motif-containing protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TMBIM1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

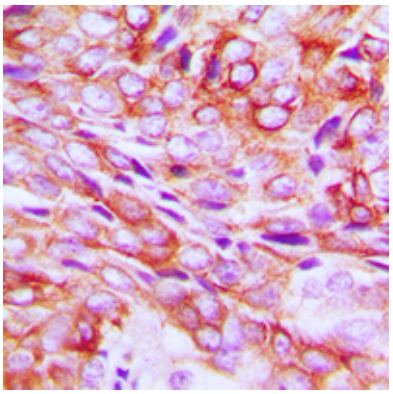
Name	TMBIM1
Synonyms	LFG3, RECS1
Function	Negatively regulates aortic matrix metalloproteinase-9 (MMP9) production and may play a protective role in vascular remodeling.
Cellular Location	Membrane; Multi-pass membrane protein. Lysosome membrane Endosome membrane

Images

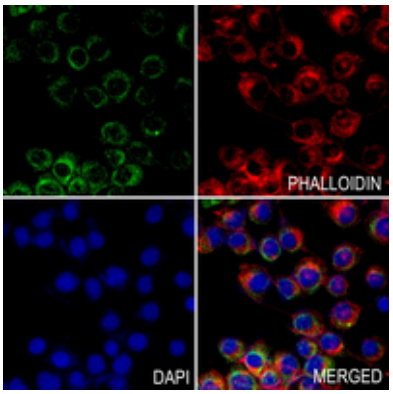
Western blot analysis of TMBIM1 expression in A549 (A),



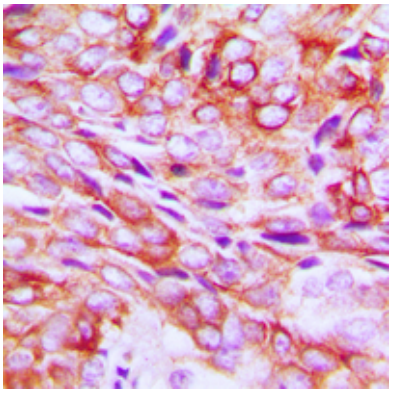
MCF7 (B), COS7 (C), CT26 (D), PC12 (E) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 35 kD)



Immunohistochemical analysis of TMBIM1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TMBIM1 staining in BV2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.