

Datasheet for ABIN7603190
anti-TMBIM1 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	TMBIM1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMBIM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TMBIM1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TMBIM1, which shares 87.5% and 93.8% amino acid (aa) sequence identity with mouse and rat TMBIM1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TMBIM1 Antibody Picoband® (ABIN7603190). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: TMBIM1

Alternative Name: TMBIM1 ([TMBIM1 Products](#))

Background: Synonyms: E3 ubiquitin-protein ligase RNF169, RING finger protein 169, RING-type E3 ubiquitin transferase RNF169, RNF169, KIAA1991

Tissue Specificity: Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.

Background: Transmembrane BAX inhibitor motif-containing protein 1 is a protein that in humans is encoded by the TMBIM1 gene. TMBIM1 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- κ B activation. A drosophila homolog of this protein (dNMDA1 with 40 % homology to hTMBIM1) is reported to be unregulated during aging and oxidative stress.

Molecular Weight: 35 kDa

Gene ID: 64114

UniProt: [Q969X1](#)

Application Details

Application Notes: Western blot, 0.1-0.25 μ g/mL, Human, Mouse, Rat

Immunohistochemistry (Paraffin-embedded Section), 2-5 μ g/mL, Human

Flow Cytometry (Fixed), 1-3 μ g/1x10⁶ cells, Human

1. Yoshisue, H., Suzuki, K., Kawabata, A., Ohya, T., Zhao, H., Sakurada, K., Taba, Y., Sasguri, T., Sakai, N., Yamashita, S., Matsuzawa, Y., Nojima, H. Large scale isolation of non-uniform shear stress-responsive genes from cultured endothelial cells through the preparation of a subtracted cDNA library. Atherosclerosis 162: 323-334, 2002. 2. Zhao, H., Ito, A., Kimura, S. H., Yabuta, N., Sakai, N., Ikawa, M., Okabe, M., Matsuzawa, Y., Yamashita, S., Nojima, H. RECS1 deficiency in mice induces susceptibility to cystic medial degeneration. Genes Genet. Syst. 81: 41-50, 2006. 3. Zhao, H., Ito, A., Sakai, N., Matsuzawa, Y., Yamashita, S., Nojima, H. RECS1 is a negative regulator of matrix metalloproteinase-9 production and aged RECS1 knockout mice are prone to aortic dilation. Circ. J. 70: 615-624, 2006.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.