Rabbit TMEM38B Polyclonal Antibody | anti-TMEM38B antibody

TMEM38B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39805	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

TMEM38B; Polyclonal Antibody; TMEM38B Antibody; OI14; TRICB; TRIC-B; C9orf87; D4Ertd89e; bA219P18.1; Trimeric intracellular cation channel type B; Transmembrane protein 38B; transmembrane protein 38B; anti-TMEM38B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TMEM38B Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	291
Applicable Applications for anti-TMEM38B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TMEM38B antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human TMEM38B.
Buffer	TMEM38B Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TMEM38B antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of TMEM38B in mouse thymus tissue with TMEM38B antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of TMEM38B in mouse thymus tissue with TMEM38B antibody at 5 μg/mL.

WB (Western Blot)
Western blot analysis of TMEM38B in rat thymus tissue lysate with TMEM38B antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM38B antibody	TMEM38B Antibody: TMEM38A and TMEM38B are two recently identified trimeric intracellular cation (TRIC) channel subtypes. TMEM38B is expressed in most mammalian tissues, while TMEM38A is preferentially expressed in excitable tissues such as striated muscle and brain. Mice deficient in both TMEM38A and TMEM38B suffer embryonic cardiac failure; the cardiac myocytes display severe dysfunction in SR Ca2+ handling, weakened Ca2+ release, and reduced K+ permeability indicating that the TRIC cation channels are likely to act as counter-ion channels that function in synchronization with Ca2+ release from intracellular stores. Mice that were lacking only TMEM38B however, die shortly after birth due to respiratory failure and have lungs exhibiting severe histological defect and ultrastructural abnormalities in their alveolar type II epithelial cells, indicating that TMEM38B are essential for perinatal lung maturation. Other experiments have shown that TMEM38A and TMEM38B can act with junctophilin proteins to support efficient ryanodine receptor-mediated Ca2+ release in muscle cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8922461
NCBI GeneID	55151
NCBI Accession #	NP_060582
NCBI GenBank Nucleotide #	NM_018112.2
UniProt Accession #	Q9NVV0; Q5JR63; Q5SVN5; Q5SVN6; Q5VTE2; Q6IA97
Molecular Weight	32,510 Da
NCBI Official Full Name	trimeric intracellular cation channel type B
NCBI Official Synonym Full Names	transmembrane protein 38B
NCBI Official Symbol	TMEM38B
NCBI Official Synonym Symbols	OI14; TRICB; TRIC-B; C9orf87; D4Ertd89e; bA219P18.1
NCBI Protein Information	trimeric intracellular cation channel type B
UniProt Protein Name	Trimeric intracellular cation channel type B
UniProt Gene Name	**TMEM38B**
UniProt Synonym Gene Names	C9orf87; TRIC-B; TRICB
UniProt Entry Name	TM38B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/tmem38b-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39805