TRPM8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRPM8, Polyclonal Antibody
Full Product Name	TRPM8 (Center) Rabbit pAb
Product Gene Name	anti-TRPM8 antibody
Product Synonym Names	Transient receptor potential cation channel subfamily M member 8; Long transient receptor potential channel 6; LTrpC-6; LTrpC6; Transient receptor potential p8; Trp-p8; TRPM8; LTRPC6; TRPP8
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB14791
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	606678
3D Structure	ModBase 3D Structure for Q7Z2W7
Immunogen	This TRPM8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-292 amino acids from the central region of human TRPM8.
Cellular Localization	Cell Membrane, Endoplasmic Reticulum, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRPM8 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC)
Application Notes for anti-TRPM8 antibody	WB: 1:1000 ICC: 1:10-50 IHC: 1:50-100
Related Product Information for anti-TRPM8 antibody	MBS8551571 is an antibody targeting TRPM8. Also known as TRPM8 (Center) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TRPM8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRPM8. It may not necessarily be applicable to this product.

NCBI GI #	109689695
NCBI GeneID	79054
NCBI Accession #	NP_076985.4
UniProt Primary Accession #	Q7Z2W7

UniProt Related Accession #	Q7Z2W7
GenBank Nucleotide #	NP_076985.4
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 8
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily M member 8
NCBI Official Symbol	TRPM8
NCBI Official Synonym Symbols	TRPP8; LTRPC6; trp-p8; LTrpC-6
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 8
UniProt Synonym Protein Names	Long transient receptor potential channel 6; LTrpC-6; LTrpC6; Transient receptor potential p8; Trp-p8
Protein Family	Transient receptor potential cation channel subfamily
UniProt Gene Name	TRPM8
UniProt Synonym Gene Names	LTRPC6; TRPP8; LTrpC-6; LTrpC6; Trp-p8
UniProt Entry Name	TRPM8_HUMAN
NCBI Protein Information	transient receptor potential cation channel subfamily M member 8
UniProt Comments for TRPM8	TRPM8: Receptor-activated non-selective cation channel involved in detection of sensations such as coolness, by being activated by cold temperature below 25 degrees Celsius. Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium. Temperature sensing is tightly linked to voltage-dependent gating. Activated upon depolarization, changes in temperature resulting in graded shifts of its voltage-dependent activation curves. The chemical agonists menthol functions as a gating modifier, shifting activation curves towards physiological membrane potentials. Temperature sensitivity arises from a tenfold difference in the activation energies associated with voltage-dependent opening and closing. Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM8 sub-subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Channel, cation; Membrane protein, integral Chromosomal Location of Human Ortholog: 2q37.1 Cellular Component: endoplasmic reticulum membrane; external side of plasma membrane; integral to membrane; lipid raft; plasma membrane Molecular Function: calcium channel activity; protein binding; protein homodimerization activity Biological Process: cellular calcium ion homeostasis; detection of temperature stimulus; protein homotetramerization; response to cold; thermoception
Research Articles on TRPM8	**1.** TRPM8 knockdown significantly increased hENT1 protein levels and the ratio of Bax/Bcl-2 while decreased the protein levels of RRM1
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