

Rabbit TRPM8 Polyclonal Antibody | anti-TRPM8 antibody

TRPM8 (Extracellular region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71723	Rabbit	Human, Rat, Mouse	Immunocytochemistry, ELISA, Western Blot

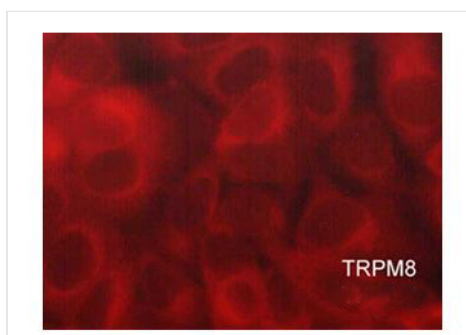
PRODUCT SYNONYMS

TRPM8; Polyclonal Antibody; TRPM8 (Extracellular region) Antibody; TRPM8 (Extracellular region); TRPM8 917pAb; anti-TRPM8 antibody

PRODUCT SPECIFICATIONS

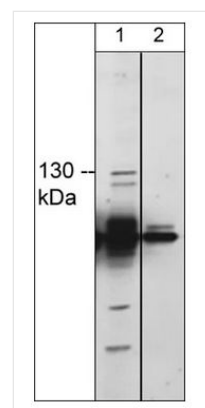
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	The antibody was affinity purified using TRPM8 (Extracellular region) peptide. This antibody detects a 130kDa* protein on SDS-PAGE immunoblots of human MDA-MB-231 and MCF-7 cells. The antibody is also recommended for immunocytochemical labeling of cells.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-TRPM8 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	TRPM8 synthetic peptide (coupled to carrier) corresponding to amino acids in the extracellular region of human TRPM8. This site is well conserved in rat and mouse TRPM8, but has low homology to other TRPM family members.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of TRPM8 in paraformaldehyde fixed and NP-40 permeabilized MCF-7 cells. The cells were labeled with rabbit polyclonal anti-TRPM8 (TP5701). The antibody was detected using goat anti-rabbit DyLight 594.



WB (Western Blot)

Western blot image of human TRPM8 in human MDA-MB-231 cells. The blot was probed with rabbit polyclonal anti-TRPM8 (extracellular region) without peptide blocking (lane 1) or with peptide blocking (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM8 antibody	The Transient Receptor Potential Melastatin (TRPM) subfamily of cation-permeable channels is ubiquitous in mammalian tissues. This family includes TRPM1-8. In addition to acting as a calcium-permeant channel, some TRPM family members, TRPM6 and TRPM7, possess serine/threonine kinase activity and autophosphorylation. TRPM8 is thermoactivated at mildly cold temperatures (>25oC), and can also be activated by compounds that cause a cooling sensation, such as menthol and icilin. TRPM8 is expressed in trigeminal and dorsal root ganglia neurons where it confers sensitivity to cold in the somatosensory system. In vascular smooth muscle, TRPM8 may alter blood flow by constricting or enlarging blood vessels. TRPM8 is also expressed in normal prostate epithelial cells, as well as overexpressed in several primary tumors including colon, lung, skin, breast, and prostate cancers.
References	Bibaux, G. et al. (2015) Proc Natl Acad Sci. 112(26):E3345 Shah, A.A. et al. (2015) Clin Exp Rheuma. 33(4S91):S123 Asuthkar, S. et al. (2014) J Biol Chem. 290(5):2659 Potapova, T.A. et al. (2014) Bull Exp Biol Med. 157(6):757

NCBI AND UNIPROT INFORMATION

NCBI GI #	109689695
NCBI GeneID	79054
NCBI Accession #	NP_076985.4
NCBI GenBank Nucleotide #	NM_024080.4
UniProt Accession #	Q7Z2W7; Q3YFM7; Q6QNH9; Q8TAC3; Q8TDX8; Q9BVK1; A0AVG2
Molecular Weight	79,096 Da
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
NCBI Protein Information	transient receptor potential cation channel subfamily M member 8
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 8
UniProt Gene Name	TRPM8
UniProt Synonym Gene Names	LTRPC6; TRPP8; LTrpC-6; LTrpC6; Trp-p8
UniProt Entry Name	TRPM8_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.