

Rabbit TRPM8 Polyclonal Antibody | anti-TRPM8 antibody

TRPM8 Antibody

CATALOG # AAA327369	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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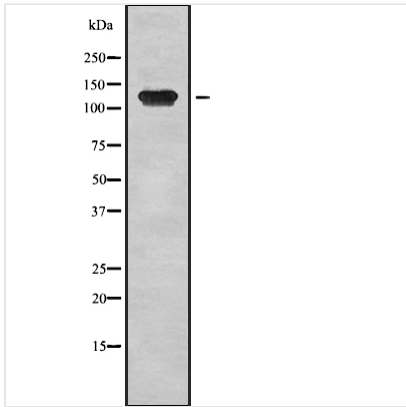
PRODUCT SYNONYMS

TRPM8; Polyclonal Antibody; TRPM8 Antibody; Long transient receptor potential channel 6; LTrpC-6; LTrpC6; MGC2849; Short form of the TRPM8 cationic channel; Transient receptor potential cation channel subfamily M member 8; Transient receptor potential p8; transient receptor potential-p8; Trp p8; Trp-p8; Trpm8; TRPM8_HUMAN; TRPP8; anti-TRPM8 antibody

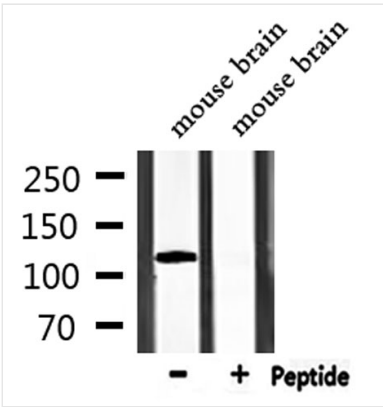
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRPM8 antibody detects endogenous levels of total TRPM8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1104
Applicable Applications for anti-TRPM8 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRPM8
Subcellular Location	Membrane.
Tissue Specificity	Expressed in prostate. Also expressed in prostate tumors and in non-prostatic primary tumors such as colon, lung, breast and skin tumors.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of TRPM8 using COS7 whole lysates.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using TRPM8 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM8 antibody	Function: 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 agonist 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. In prostate cancer cells, shows strong inward rectification and high calcium selectivity in contrast to its behavior in normal cells which is characterized by outward rectification and poor cationic selectivity. Plays a role in prostate cancer cell migration (PubMed:25559186). Isoform 2 and isoform 3 negatively regulate menthol-and cold-induced channel activity by stabilizing the closed state of the channel. Subunit Structure: Homotetramer (By similarity). Isoform 2 and isoform 3 interact with the C-terminus of isoform 1 in a thermosensitive manner with decreased interaction at 21 degrees Celsius compared to 37 degrees Celsius. Interacts (via N-terminus and C-terminus domains) with TCAF1; the interaction stimulates TRPM8 channel activity (PubMed:25559186). Interacts (via N-terminus and C-terminus domains) with TCAF2 isoform 2; the interaction inhibits TRPM8 channel activity (PubMed:25559186). Similarity: The coiled coil region is required for multimerization. Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM8 sub-subfamily.
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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	Observed: 128 kDa Predicted: 128 kDa
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
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

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/trpm8-antibody-western-blot-elisa/327369>