

Rabbit TRPM4 Polyclonal Antibody | anti-TRPM4 antibody

Rabbit Polyclonal to Human TRPM4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52211	Rabbit	Gorilla, Human Predicted Reactivity: Gibbon, Monkey (at least 90% immunogen sequence identity)	Immunohistochemistry

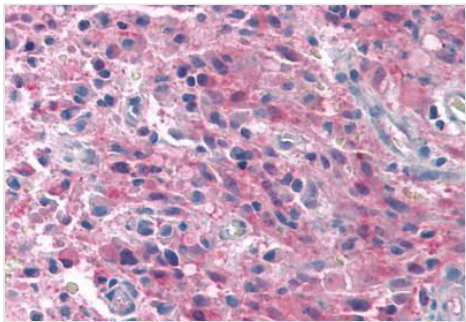
PRODUCT SYNONYMS

TRPM4; Polyclonal Antibody; Rabbit Polyclonal to Human TRPM4; Anti-TRPM4 Antibody (C-Terminus) IHC-plus; HTRPM4; LTrpC-4; PFHB1B; Melastatin-4; TRPM4B; LTrpC4; Human TRPM4; anti-TRPM4 antibody

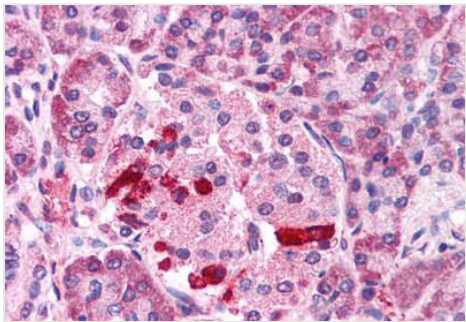
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gorilla, Human Predicted Reactivity: Gibbon, Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human TRPM4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1214
Applicable Applications for anti-TRPM4 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 18 amino acid peptide from near C-terminus of human TRPM4. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey (94%); Elephant, Dog, Bat (89%); Marmoset, Mouse, Rat, Hamster, Panda, Bovine (83%).
Immunogen Type	Synthetic peptide
Immunogen	TRPM4 antibody was raised against synthetic 18 amino acid peptide from near C-terminus of human TRPM4. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey (94%); Elephant, Dog, Bat (89%); Marmoset, Mouse, Rat, Hamster, Panda, Bovine (83%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

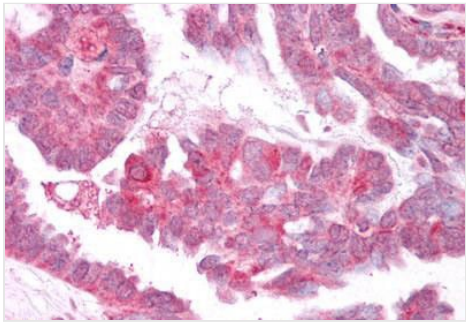
IMAGES



IHC (Immunohistochemisry)
Anti-TRPM4 antibody IHC of human Brain, Glioblastoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohiostchemistry)
Anti-TRPM4 antibody IHC of human pancreas, islet. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-TRPM4 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM4 antibody	TRPM4 and its close homologue TRPM5 are the two only members of the large TRP superfamily of cation channels that are impermeable to Ca(2+). TRPM4, undergoes a fast desensitization to Ca(2+). The Ca(2+) sensitivity of TRPM4 is regulated by ATP, PKC-dependent phosphorylation, and calmodulin binding at the C-terminus. TRPM4-mediate depolarization modulates Ca2+ oscillations, with downstream effects on cytokine production in T lymphocytes.
Product Categories/Family for anti-TRPM4 antibody	Family: Ion Channel; Subfamily: Calcium channel - TRP

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314671
NCBI GeneID	54795
NCBI Accession #	NP_060106.2
NCBI GenBank Nucleotide #	NM_017636.3
UniProt Accession #	Q8TD43; Q7Z5D9; Q96L84; Q9NXV1; A2RU25
Molecular Weight	118,630 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily M member 4 isoform 1
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 4
NCBI Official Symbol	TRPM4
NCBI Official Synonym Symbols	PFHB1B; TRPM4B

NCBI Protein Information	transient receptor potential cation channel subfamily M member 4; LTrpC4; hTRPM4; melastatin-4; long transient receptor potential channel 4; calcium-activated non-selective cation channel 1
UniProt Protein Name	Transient receptor potential cation channel subfamily M member 4
UniProt Gene Name	TRPM4
UniProt Synonym Gene Names	LTRPC4; hTRPM4; LTrpC-4; LTrpC4
UniProt Entry Name	TRPM4_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/trpm4-antibody-immunohistochemistry-elisa/52211>