

Rabbit TRPM4 Polyclonal Antibody | anti-TRPM4 antibody

Rabbit Polyclonal to Human TRPM4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51131	Rabbit	Human Predicted Reactivity: Chimpanzee, Gorilla, Orangutan, Monkey, Mouse (at least 90% immunogen sequence identity)	Immunohistochemistry

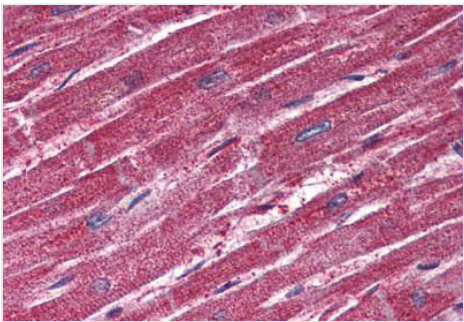
PRODUCT SYNONYMS

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

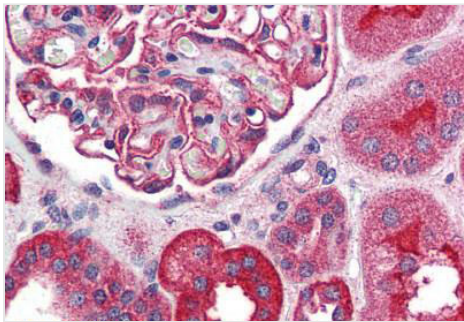
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Chimpanzee, Gorilla, Orangutan, Monkey, Mouse (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 17 amino acid peptide from N-Terminus of human TRPM4. Percent identity with other species by BLAST analysis: Human (100%); Chimpanzee, Gorilla, Orangutan, Monkey, Mouse (94%); Gibbon, Galago, Rat, Dog (88%).
Immunogen Type	Synthetic peptide
Immunogen	TRPM4 antibody was raised against synthetic 17 amino acid peptide from N-Terminus of human TRPM4. Percent identity with other species by BLAST analysis: Human (100%); Chimpanzee, Gorilla, Orangutan, Monkey, Mouse (94%); Gibbon, Galago, Rat, Dog (88%); Marmoset, Elephant, Panda, Bovine, Pig (82%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



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



IHC (Immunohistochemistry)
Anti-TRPM4 antibody IHC of human kidney. 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.