

Rabbit anti-Human TRPM4 Polyclonal Antibody | anti-TRPM4 antibody

TRPM4 Antibody

CATALOG # AAA232086	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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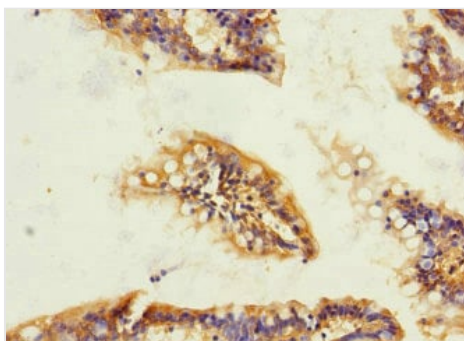
PRODUCT SYNONYMS

TRPM4; Polyclonal Antibody; TRPM4 Antibody; Transient receptor potential cation channel subfamily M member 4; hTRPM4; Calcium-activated non-selective cation channel 1; Long transient receptor potential channel 4; LTrpC-4; LTrpC4; Melastatin-4; LTRPC4; anti-TRPM4 antibody

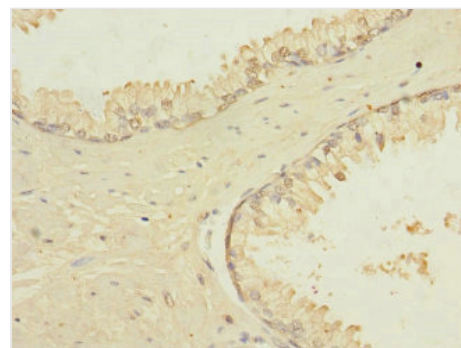
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	1069
Applicable Applications for anti-TRPM4 antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Transient receptor potential cation channel subfamily M member 4 protein (N-240AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27539 / sc-27540 / sc-67125
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human small intestine using AAA232086 at dilution 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using AAA232086 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM4 antibody	Calcium-activated non selective (CAN) cation channel that mediates membrane depolarization. While it is activated by increase in intracellular Ca(2+), it is impermeable to it. Mediates transport of monovalent cations (Na(+) > K(+) > Cs(+) > Li(+)), leading to depolarize the membrane. It thereby plays a central role in cadiomyocytes, neurons from entorhinal cortex, dorsal root and vomeronasal neurons, endocrine pancreas cells, kidney epithelial cells, cochlea hair cells etc. Participates in T-cell activation by modulating Ca(2+) oscillations after T lymphocyte activation, which is required for NFAT-dependent IL2 production. Involved in myogenic constriction of cerebral arteries. Controls insulin secretion in pancreatic beta-cells. May also be involved in pacemaking or could cause irregular electrical activity under conditions of Ca(2+) overload. Affects T-helper 1 (Th1) and T-helper 2 (Th2) cell motility and cytokine production through differential regulation of calcium signaling and NFATC1 localization. Enhances cell proliferation through up-regulation of the beta-catenin signaling pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	304766677
NCBI GeneID	54795
NCBI Accession #	NP_001182156.1
NCBI GenBank Nucleotide #	NM_001195227.1
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 2
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily M member 4
NCBI Official Symbol	TRPM4
NCBI Official Synonym Symbols	LTrpC4; PFHB1B; TRPM4B; hTRPM4
NCBI Protein Information	transient receptor potential cation channel subfamily M member 4
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/232086>