

Rabbit TRPM4 Polyclonal Antibody | anti-TRPM4 antibody

TRPM4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197952	Rabbit	Tested Species Reactivity: Human, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse	Western Blot

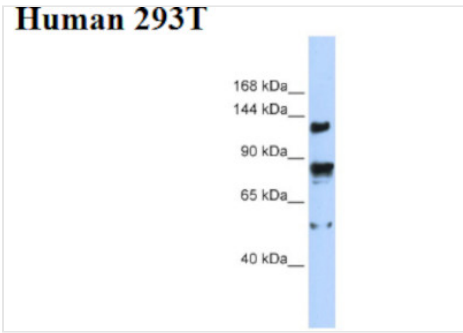
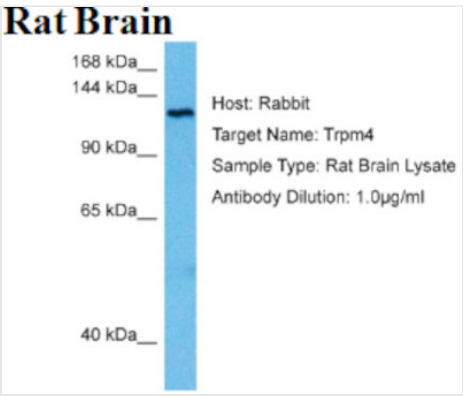
PRODUCT SYNONYMS

TRPM4; Polyclonal Antibody; TRPM4 antibody - N-terminal region; anti-TRPM4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: EL LTVYSSSEDGS EEFETIVLKA LVKACGSSEA SAYLDELRLA VAWNRVDI
Sequence Length	1214
Applicable Applications for anti-TRPM4 antibody	WB (Western Blot)
Homology	Cow: 79%; Dog: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TRPM4
Protein Size (# AA)	1214 amino acids
Protein Interactions	FUS; UBC; TRPM4;
Enhanced Validation	WB Y SPR YCHAROS
Blocking Peptide	For anti-TRPM4 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-TRPM4 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control: 293T cell lysate

WB (Western Blot)
Host: RatTarget Name: TRPM4Sample Tissue: Rat BrainAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM4 antibody	This is a rabbit polyclonal antibody against TRPM4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TRPM4 is a calcium-activated non selective (CAN) cation channel that mediates membrane depolarization. While it is activated by increase in intracellular Ca2+, it is impermeable to it. TRPM4 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 Ca2+ oscillations after T lymphocyte activation, which is required for NFAT-dependent IL2 production. TRPM4 is involved in myogenic constriction of cerebral arteries. It controls insulin secretion in pancreatic beta-cells. TRPM4 may also be involved in pacemaking or could cause irregular electrical activity under conditions of Ca2+ overload.
Product Categories/Family for anti-TRPM4 antibody	Polyclonal; Ion Channel; Membrane Protein; Membrane & Traffic; Receptors; Sumoylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314671
NCBI GeneID	54795
NCBI Accession #	NP_060106
NCBI GenBank Nucleotide #	NM_017636
UniProt Accession #	Q8TD43
Molecular Weight	134kDa
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	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

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-western-blot-elisa/197952>