

anti-Human, Mouse TRPM4 Polyclonal Antibody | anti-TRPM4 antibody

Anti-TRPM4 Antibody

CATALOG # AAA46345	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------------------	---

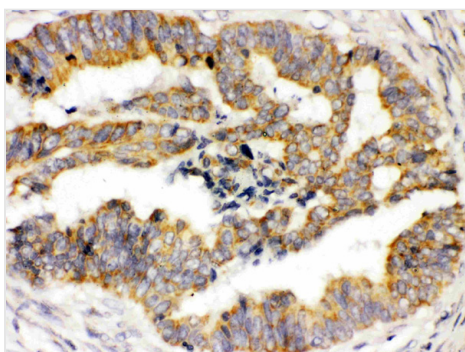
PRODUCT SYNONYMS

TRPM4; Polyclonal Antibody; Anti-TRPM4 Antibody; Transient receptor potential cation channel subfamily M member 4; 1110030C19Rik; AW047689; Calcium-activated non-selective cation channel 1; FLJ20041; hTRPM4; Long transient receptor potential channel 4; LTrpC-4; LTrpC4; Melastatin 4; Melastatin like 2 protein; Melastatin-4; Melastatin-like 2; Mls2s; PFHB1B; Transient receptor potential cation channel; subfamily M; member 4; Trpm4; TRPM4_HUMAN; TRPM4B; transient receptor potential cation channel subfamily M member 4; anti-TRPM4 antibody

PRODUCT SPECIFICATIONS

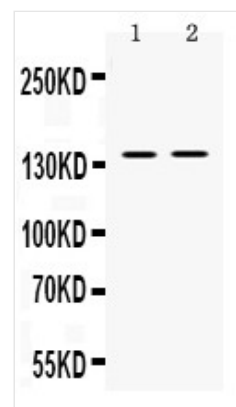
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	1069
Applicable Applications for anti-TRPM4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human TRPM4 recombinant protein (Position: F1079-D1214). Human TRPM4 shares 76.8% and 77.8% amino acid (aa) sequence identity with mouse and rat TRPM4, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

TRPM4 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- TRPM4 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of TRPM4 expression in mouse spleen extract (lane 1) and SW620 whole cell lysates (lane 2). TRPM4 at 134KD was detected using rabbit anti- TRPM4 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM4 antibody	Description: Rabbit IgG polyclonal antibody for Transient receptor potential cation channel subfamily M member 4 (TRPM4) detection. Tested with WB, IHC-P in Human;Mouse. Background: Transient receptor potential cation channel subfamily M member 4 (hTRPM4), also known as melastatin-4, is a protein that in humans is encoded by the TRPM4 gene. It is mapped to 19q13.33. The protein encoded by this gene is a calcium-activated nonselective ion channel that mediates transport of monovalent cations across membranes, thereby depolarizing the membrane. The activity of the encoded protein increases with increasing intracellular calcium concentration, but this channel does not transport calcium. Two transcript variants encoding different isoforms have been found for this gene.
References	1. Clapham DE, Julius D, Montell C, Schultz G (December 2005). "International Union of Pharmacology. XLIX. Nomenclature and structure-function relationships of transient receptor potential channels". Pharmacol. Rev.57 (4): 427-50. 2. Xu XZ, Moebius F, Gill DL, Montell C (September 2001). "Regulation of melastatin, a TRP-related protein, through interaction with a cytoplasmic isoform". Proc. Natl. Acad. Sci. U.S.A. 98 (19): 10692-7.

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.