

Rabbit TRPM2 Polyclonal Antibody | anti-TRPM2 antibody

Anti-TRPM2 Antibody Picoband

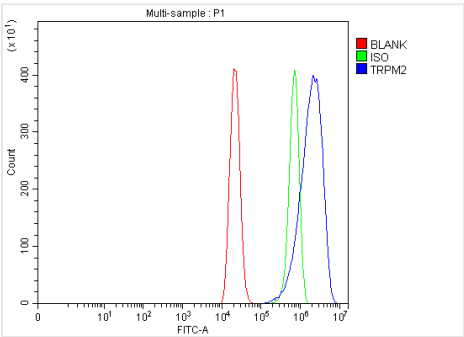
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126101	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TRPM2; Polyclonal Antibody; Anti-TRPM2 Antibody Picoband; anti-TRPM2 antibody

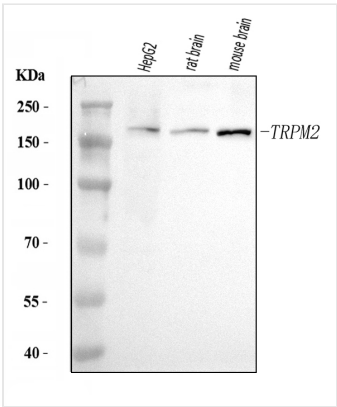
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human IL4
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TRPM2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Immunogen	E Coli-derived human TRPM2 recombinant protein (Position: R398-Y1503).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-TRPM2 antibody (AAA126101).Overlay histogram showing THP-1 cells stained with AAA126101 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRPM2 Antibody (AAA126101, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of TRPM2 using anti-TRPM2 antibody (AAA126101).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HepG2 whole cell lysates,Lane 2: rat brain tissue lysates,Lane 3: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TRPM2 antigen affinity purified polyclonal antibody (#AAA126101) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRPM2 at approximately 171 kDa. The expected band size for TRPM2 is at 171 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPM2 antibody	Background: Interleukin-4 (IL-4), also knowns as a B-cell stimulatory factor1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells.The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. IL-4 may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis. The mouse and human genes and their protein products show structural and functional similarities. The human IL-4 gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5. The standard product used in this kit is recombinant human IL-4, consisting of 130 amino acids with the molecular mass of 14KDa.
Product Categories/Family for anti-TRPM2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	160381681
NCBI GeneID	7226
UniProt Accession #	O94759; Q5KTC2; Q6J3P5; Q96KN6; Q96Q93; D3DSL6
Molecular Weight	95,699 Da
NCBI Official Full Name	Transient receptor potential cation channel subfamily M member 2
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily M, member 2
NCBI Official Symbol	TRPM2
NCBI Official Synonym Symbols	KNP3; EREG1; TRPC7; LTRPC2; NUDT9H; NUDT9L1
NCBI Protein Information	transient receptor potential cation channel subfamily M member 2; LTrpC-2; transient receptor potential channel 7; long transient receptor potential channel 2; estrogen-responsive element-associated gene 1 protein

UniProt Protein Name	Transient receptor potential cation channel subfamily M member 2
UniProt Gene Name	TRPM2
UniProt Synonym Gene Names	EREG1; KNP3; LTRPC2; TRPC7; LTrpC-2; LTrpC2; TrpC7
UniProt Entry Name	TRPM2_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://www.aaabiotech.com/polyclonal/trpm2-antibody-flow-cytometry-western-blot-elisa/126101>