

anti-Human TRPC5 Polyclonal Antibody | anti-TRPC5 antibody

Anti-TRPC5 Antibody

CATALOG # AAA46459	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TRPC5; Polyclonal Antibody; Anti-TRPC5 Antibody; Short transient receptor potential channel 5; Htrp 5; Htrp-5; Htrp5; Transient receptor potential cation channel subfamily C member 5; Transient receptor potential channel 5; Transient receptor protein 5; TRP 5; TRP-5; TRP5; TRPC 5; TrpC5; TRPC5_HUMAN; transient receptor potential cation channel; subfamily C; member 5; anti-TRPC5 antibody

PRODUCT SPECIFICATIONS

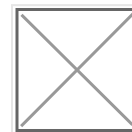
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	973
Applicable Applications for anti-TRPC5 antibody	WB (Western Blot)
Immunogen	E Coli-derived human TRPC5 recombinant protein (Position: K684-L973). Human TRPC5 shares 90% amino acid (aa) sequence identity with mouse TRPC5.
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



WB (Western Blot)

Anti- TRPC5 Picoband antibody, AAA46459, Western blottingAll lanes: Anti TRPC5 (AAA46459) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugLane 3: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 111KDObserved bind size: 111KD



WB (Western Blot)

Anti- TRPC5 Picoband antibody, AAA46459, Western blottingAll lanes: Anti TRPC5 (AAA46459) at 0.5ug/mlWB: Recombinant Human TRPC5 Protein 0.5ngPredicted bind size: 50KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-TRPC5 antibody	Description: Rabbit IgG polyclonal antibody for Short transient receptor potential channel 5(TRPC5) detection. Tested with WB in Human. Background: Short transient receptor potential channel 5 (TrpC5), also known as TRP-5, is a protein that in humans is encoded by the TRPC5 gene. TRPC5 is subtype of the TRPC family of mammalian transient receptor potential ion channels. It is mapped to Xq23. The predicted 973-amino acid TRPC5 protein has a calculated molecular mass of 111.5 kD. It contains the characteristic 8 predicted transmembrane domains (TM1 through TM8), including a pore region (TM7) between TM6 and TM8. TRPC5 is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel, and it is a candidate for the regulation of calcium waves. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4.
References	1. "Entrez Gene: transient receptor potential cation channel" 2. Greka, A., Navarro, B., Oancea, E., Duggan, A., Clapham, D. E. TRPC5 is a regulator of hippocampal neurite length and growth cone morphology. Nature Neurosci. 6: 837-845, 2003. 3. Sossey-Alaoui, K., Lyon, J. A., Jones, L., Abidi, F. E., Hartung, A. J., Hane, B., Schwartz, C. E., Stevenson, R. E., Srivastava, A. K. Molecular cloning and characterization of TRPC5 (HTRP5), the human homologue of a mouse brain receptor-activated capacitative Ca(2+) entry channel. Genomics 60: 330-340, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912736
NCBI GeneID	7224
NCBI Accession #	NP_036603.1
NCBI GenBank Nucleotide #	NM_012471.2
UniProt Accession #	Q9UL62; O75233; Q5JXY8; Q9Y514; B2RP53
Molecular Weight	111,412 Da
NCBI Official Full Name	short transient receptor potential channel 5
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 5
NCBI Official Symbol	TRPC5
NCBI Official Synonym Symbols	TRP5; PPP1R159
NCBI Protein Information	short transient receptor potential channel 5
UniProt Protein Name	Short transient receptor potential channel 5
UniProt Gene Name	TRPC5
UniProt Synonym Gene Names	TRP5; TrpC5; TRP-5; hTRP-5; hTRP5
UniProt Entry Name	TRPC5_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.