

Rabbit TRPC5 Polyclonal Antibody | anti-TRPC5 antibody

TRPC5 Antibody (N-term)

CATALOG # AAA285568	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rabbit)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

TRPC5; Polyclonal Antibody; TRPC5 Antibody (N-term); Short transient receptor potential channel 5; TrpC5; Transient receptor protein 5; TRP-5; hTRP-5; hTRP5; TRP5; anti-TRPC5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TRPC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 254-283 amino acids from the N-terminal region of human TRPC5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.36 (varies by lot)
Sequence Positions	254-283
Sequence Length	973
Applicable Applications for anti-TRPC5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

TRPC5 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRPC5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

TRPC5 Antibody (N-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the TRPC5 antibody detected the TRPC5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TRPC5 antibody	This gene belongs to the transient receptor family. It encodes one of the seven mammalian TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H+ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1).
Product Categories/Family for anti-TRPC5 antibody	Metabolism; Neuroscience; Signal Transduction
References	Al-Shawaf, E., et al. Arterioscler. Thromb. Vasc. Biol. 30(7):1453-1459(2010) Wong, C.O., et al. Pflugers Arch. 460(1):121-130(2010) Miehe, S., et al. J. Biol. Chem. 285(16):12426-12434(2010) Gross, S.A., et al. J. Biol. Chem. 284(49):34423-34432(2009) Everett, K.V., et al. Hum. Genet. (2009) In press :

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	111412
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/trpc5-antibody-immunohistochemistry-western-blot-elisa/285568>