

Rabbit anti-Human TRPC7 Polyclonal Antibody | anti-TRPC7 antibody

TRPC7 Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258619	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

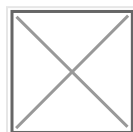
PRODUCT SYNONYMS

TRPC7; Polyclonal Antibody; TRPC7 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-TRP7 Antibody; anti-TRPC7 antibody

PRODUCT SPECIFICATIONS

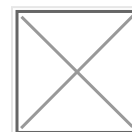
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human Mouse (Species predicted to react based on 100% sequence homology)
Applicable Applications for anti-TRPC7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human TRPC7, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of TRPC7 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TRPC7 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human TRPC7 in monkey heart with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPC7 antibody	Canonical transient receptor potential7 (TRPC7) is the seventh identified member of the mammalian TRPC channel family, comprising nonselective cation channels activated through the phospholipase C (PLC) signaling pathway. TRPC7 localizes in the surface and tubular sarcolemma of cardiomyocytes in normal adult rats and its expression significantly decreases in hypertrophied cardiomyocytes from renovascular hypertensive rats. TRPC7 may thus play a significant role in normal physiological settings in the heart. the expression characteristics of transient receptor potential canonical 7 (TRPC7) in normal and hypertrophic cardiac myocytes.
Product Categories/Family for anti-TRPC7 antibody	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	262399375
NCBI GeneID	57113
NCBI Accession #	NP_001161048.1
NCBI GenBank Nucleotide #	NM_001167576.1
UniProt Accession #	Q9HCX4; Q70T26; Q8IWP7; A1A4Z4; F5H5U9
Molecular Weight	92,429 Da
NCBI Official Full Name	short transient receptor potential channel 7 isoform 3
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 7
NCBI Official Symbol	TRPC7
NCBI Official Synonym Symbols	TRP7
NCBI Protein Information	short transient receptor potential channel 7
UniProt Protein Name	Short transient receptor potential channel 7
UniProt Gene Name	TRPC7
UniProt Synonym Gene Names	TRP7; TrpC7; TRP-7; hTRP7
UniProt Entry Name	TRPC7_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://stage.aaabiotech.com/polyclonal/trpc7-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/258619>