

Rabbit TRPC6 Polyclonal Antibody | anti-TRPC6 antibody

Anti-TRPC6 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45181	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

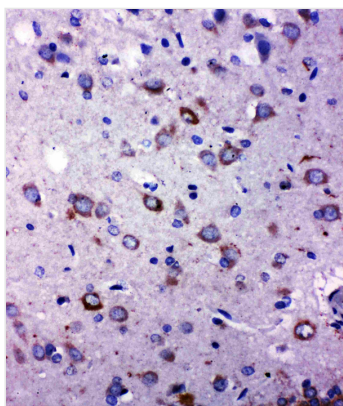
PRODUCT SYNONYMS

TRPC6; Polyclonal Antibody; Anti-TRPC6 antibody; Short transient receptor potential channel 6(TrpC6); transient receptor potential cation channel; subfamily C; member 6; bZ1P14.9 antibody; FLJ11098 antibody; FLJ14863 antibody; FSGS2 antibody; MTRP6 antibody; Short transient receptor potential channel 6 antibody; si:rp71-1p14.9 antibody; Transient Receptor Potential Cation Channel Subfamily C Member 6 antibody; Transient receptor protein 6 antibody; TRP 6 antibody; TRP-6 antibody; TRP6 antibody; TRPC 6 antibody; TrpC6 antibody; Trpc6 antibody; TRPC6_HUMAN antibody; TRRP6 antibody; anti-TRPC6 antibody

PRODUCT SPECIFICATIONS

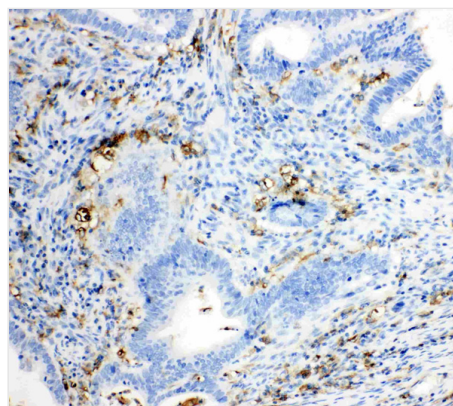
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	931
Applicable Applications for anti-TRPC6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TRPC6 (249-265aa HDYFCKCNDNCNQKQKHD), different from the related rat and mouse sequences by three amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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 aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



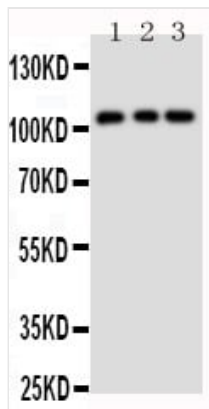
IHC (Immunohistochemistry)

Anti-TRPC6 antibody, AAA45181, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)

Anti-TRPC6 antibody, AAA45181, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
 Anti-TRPC6 antibody, AAA45181, Western blotting
 Lane 1: Rat Lung Tissue Lysate
 Lane 2: 293T Cell Lysate
 Lane 3: 293T Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TRPC6 antibody	Description: Rabbit IgG polyclonal antibody for Short transient receptor potential channel 6 (TRPC6) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: TRPC6 (Transient receptor potential cation channel, subfamily C, member 6), also known as TRP6, is a transient receptor potential cation channel. TRPC6 is a novel member of the TRPC family. The predicted 931-amino acid protein shares 93% identity with mouse Trpc6. Northern blot analysis revealed that TRPC6 is expressed primarily in placenta, lung, spleen, ovary, and small intestine. The TRPC6 gene is mapped on 11q22.1. TRPC6 is a nonselective cation channel that is activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Although TRPC3, the closest structural relative of TRPC6, is activated in the same manner, human TRPC1 and mouse Trpc4 and Trpc5 were unresponsive to DAG. Immunofluorescence studies showed that most TRPC6 expression is confined to podocytes. TRPC6 was also expressed in glomerular endothelial cells. Cardiac-specific overexpression of TRPC6 in transgenic mice resulted in heightened sensitivity to stress, a propensity for lethal cardiac growth and heart failure, and an increase in Nfat-dependent expression of beta-myosin heavy chain (MYH7), a marker for pathologic hypertrophy. Studies of Trpc6 ^{-/-} mice showed that Trpc6 has a role in regulation of smooth muscle tone in blood vessels and lung.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6686048
NCBI GeneID	7225
UniProt Accession #	Q9Y210; Q52M59; Q9HCW3; Q9NQA8; Q9NQA9
Molecular Weight	100,106 Da
NCBI Official Full Name	Short transient receptor potential channel 6
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily C, member 6
NCBI Official Symbol	TRPC6
NCBI Official Synonym Symbols	TRP6; FSGS2
NCBI Protein Information	short transient receptor potential channel 6; TRP-6; transient receptor protein 6; focal segmental glomerulosclerosis 2
UniProt Protein Name	Short transient receptor potential channel 6
UniProt Gene Name	TRPC6
UniProt Synonym Gene Names	TRP6; TrpC6; TRP-6
UniProt Entry Name	TRPC6_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/trpc6-antibody-immunohistochemistry-western-blot-elisa/45181>