

Rabbit anti-Human TRPV6 Polyclonal Antibody | anti-TRPV6 antibody

Anti-TRPV6 Antibody Picoband

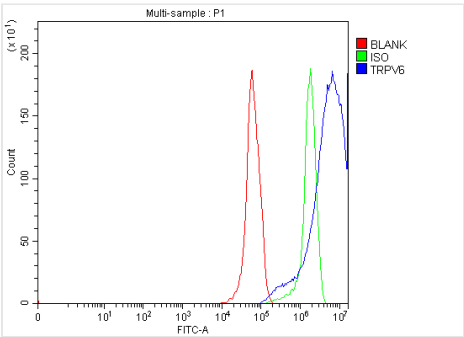
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126203	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

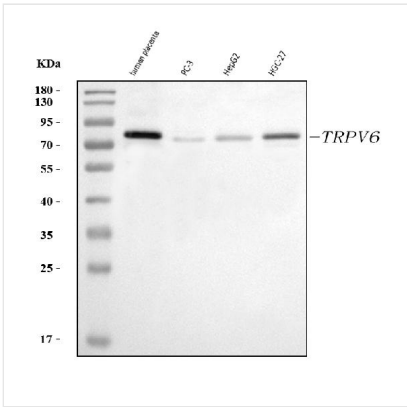
TRPV6; Polyclonal Antibody; Anti-TRPV6 Antibody Picoband; anti-TRPV6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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-TRPV6 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TRPV6 recombinant protein (Position: A15-I765).
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 RT4 cells using anti-TRPV6 antibody (AAA126203).Overlay histogram showing RT4 cells stained with AAA126203 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRPV6 Antibody (AAA126203, 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 TRPV6 using anti-TRPV6 antibody (AAA126203).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 placenta tissue lysates,Lane 2: human PC-3 whole cell lysates,Lane 3: human HepG2 whole cell lysates,Lane 4: human HGC-27 whole cell 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-TRPV6 antigen affinity purified polyclonal antibody (#AAA126203) 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 TRPV6 at approximately 83 kDa. The expected band size for TRPV6 is at 87 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPV6 antibody	TRPV6(Transient Receptor Potential Cation Channel Subfamily V Member 6), also known as ECAC2,CAT1 or CATL, a membrane calcium channel which is responsible for the first step in calcium absorption in the intestine. TRPV6 is a member of the Transient receptor potential(TRP) family of membrane proteins. Using FISH, Peng et al.(2000) mapped the TRPV6 gene to chromosome 7q33-q34. Peng et al.(2000) determined that TRPV6 mediates calcium uptake independent of sodium, chloride, and hydrogen; however, calcium influx was higher at alkaline rather than acidic pH. Functional analysis by Peng et al.(2001) indicated that TRPV5 mediates greater calcium uptake than TRPV6. They concluded that TRPV5 and TRPV6 are calcium-selective channels and share a common ancestral gene.
Product Categories/Family for anti-TRPV6 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	62901469
NCBI GeneID	55503
UniProt Accession #	Q9H1D0; Q8TDL3; Q8WXR8; Q96LC5; Q9H1D1; Q9H296; A4D2I8
Molecular Weight	725
NCBI Official Full Name	Transient receptor potential cation channel subfamily V member 6
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 6
NCBI Official Symbol	TRPV6
NCBI Official Synonym Symbols	CAT1; CATL; ZFAB; ECAC2; ABP/ZF; LP6728; HSA277909

NCBI Protein Information	transient receptor potential cation channel subfamily V member 6; calcium transport protein 1; epithelial calcium channel 2; calcium transporter-like protein; Alu-binding protein with zinc finger domain; epithelial apical membrane calcium transporter/chan
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 6
UniProt Gene Name	TRPV6
UniProt Synonym Gene Names	ECAC2; TrpV6; CaT-L; CaT1; ECaC2
UniProt Entry Name	TRPV6_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/trpv6-antibody-flow-cytometry-western-blot-elisa/126203>