

Rabbit TRPV6 Polyclonal Antibody | anti-TRPV6 antibody

TRPV6 Antibody

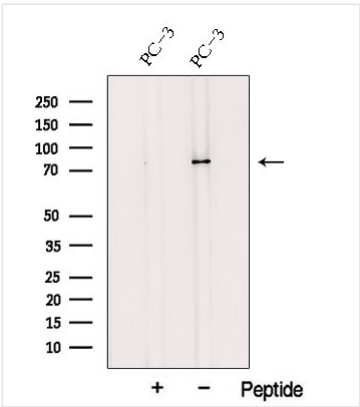
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328751	Rabbit	Human, Mouse, Rat Predicted: Horse, Rabbit, Dog	Western Blot

PRODUCT SYNONYMS

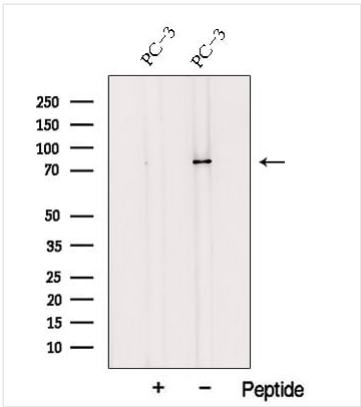
TRPV6; Polyclonal Antibody; TRPV6 Antibody; anti-TRPV6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Horse, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	TRPV6 Antibody detects endogenous levels of TRPV6.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	725
Applicable Applications for anti-TRPV6 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRPV6.
Tissue Specificity	Expressed at high levels in the gastrointestinal tract, including esophagus, stomach, duodenum, jejunum, ileum and colon, and in pancreas, placenta, prostate and salivary gland. Expressed at moderate levels in liver, kidney and testis. Expressed in trophoblasts of placenta villus trees (at protein level)(PubMed:23612980). Expressed in locally advanced prostate cancer, metastatic and androgen-insensitive prostatic lesions but not detected in healthy prostate tissue and benign prostatic hyperplasia.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from PC-3 cells, using TRPV6 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using TRPV6 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPV6 antibody	Description: Calcium selective cation channel that mediates Ca2+ uptake in various tissues, including the intestine (PubMed:11097838, PubMed:11278579, PubMed:11248124 PubMed:15184369, PubMed:23612980, PubMed:29258289). Important for normal Ca2+ ion homeostasis in the body, including bone and skin (By similarity). The channel is activated by low internal calcium level, probably including intracellular calcium store depletion, and the current exhibits an inward rectification (PubMed:15184369). Inactivation includes both a rapid Ca2+-dependent and a slower Ca2+-calmodulin-dependent mechanism; the latter may be regulated by phosphorylation. In vitro, is slowly inhibited by Mg2+ in a voltage-independent manner. Heteromeric assembly with TRPV5 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating. Post Translational Modifications: Glycosylated. Phosphorylation at Tyr-201 by SRC leads to an increased calcium influx through the channel. Probably dephosphorylated at this site by PTPN1 (By similarity). Phosphorylation by PRKCA at the calmodulin binding site delays channel inactivation (PubMed:11248124). Subunit Structure: Homotetramer (PubMed:29258289). Probably forms also heterotetramers with TRPV5. Interacts with TRPV5. Interacts with S100A10 and probably with the ANAX2-S100A10 heterotetramer. The interaction with S100A10 is required for the trafficking to the plasma membrane. Interacts with BSPRY (By similarity). Interacts with TCAF1 and TCAF2 isoform 2 (PubMed:25559186). Interacts with calmodulin (PubMed:11248124). Similarity: Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV6 sub-subfamily.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	62901469
UniProt Accession #	Q9H1D0
Molecular Weight	Observed: 83 kDa Predicted: 88 kDa
NCBI Official Full Name	Transient receptor potential cation channel subfamily V member 6
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.

