

Rabbit TPCN1 Polyclonal Antibody | anti-TPCN1 antibody

TPCN1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197953	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

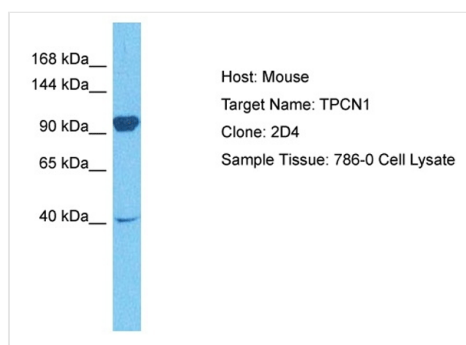
PRODUCT SYNONYMS

TPCN1; Polyclonal Antibody; TPCN1 antibody - N-terminal region; anti-TPCN1 antibody

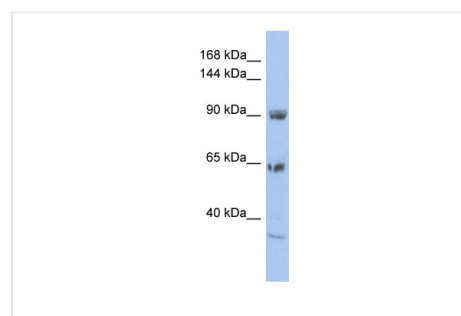
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: YQ EAAIYLQEGE NNDKFFTHPK DAKALAAAYLF AHNHLFYLMELATALLL
Sequence Length	816
Applicable Applications for anti-TPCN1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TPCN1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

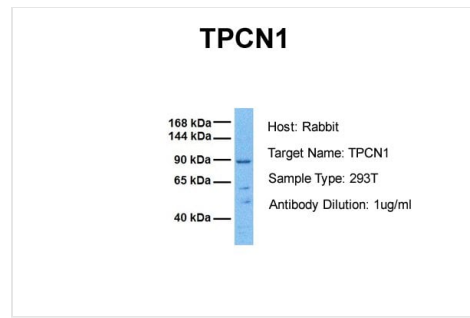
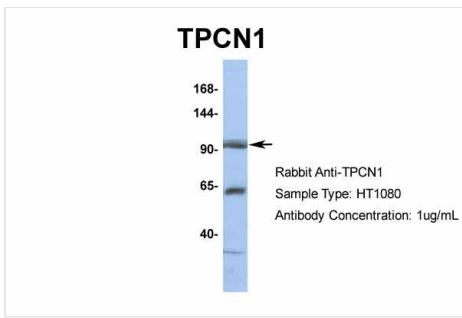


WB (Western Blot)

Host: Rabbit
Target Name: TPCN1
Sample Tissue: Human 786-0 Whole Cell
Antibody Dilution: 1ug/ml


WB (Western Blot)

WB Suggested Anti-TPCN1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: HT1080 cell lysate



WB (Western Blot)

Host: Rabbit Target Name: TPCN1 Sample Type: HT1080 Antibody Dilution: 1.0ug/ml

WB (Western Blot)

Host: Rabbit Target Name: TPCN1 Sample Tissue: Human 293T Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TPCN1 antibody	This is a rabbit polyclonal antibody against TPCN1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TPCN1 may function as one of the major voltage-gated Ca^{2+} channel (VDCC) across the plasma membrane. Voltage-gated Ca^{2+} and Na^{+} channels have 4 homologous domains, each containing 6 transmembrane segments, S1 to S6. TPCN1 is similar to these channels, but it has only 2 domains containing S1 to S6 (Ishibashi et al., 2000 [PubMed 10753632]).[supplied by OMIM].
Product Categories/Family for anti-TPCN1 antibody	Polyclonal; Ion Channel; Membrane Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	29725622
NCBI GeneID	53373
NCBI Accession #	NP_060371
NCBI GenBank Nucleotide #	NM_017901
UniProt Accession #	Q9ULQ1
Molecular Weight	94kDa
NCBI Official Full Name	two pore calcium channel protein 1 isoform 2
NCBI Official Synonym Full Names	two pore segment channel 1
NCBI Official Symbol	TPCN1
NCBI Official Synonym Symbols	TPC1
NCBI Protein Information	two pore calcium channel protein 1
UniProt Protein Name	Two pore calcium channel protein 1
UniProt Gene Name	TPCN1
UniProt Synonym Gene Names	KIAA1169; TPC1
UniProt Entry Name	TPC1_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.