

Rabbit TRPV4 Polyclonal Antibody | anti-TRPV4 antibody

TRPV4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197968	Rabbit	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

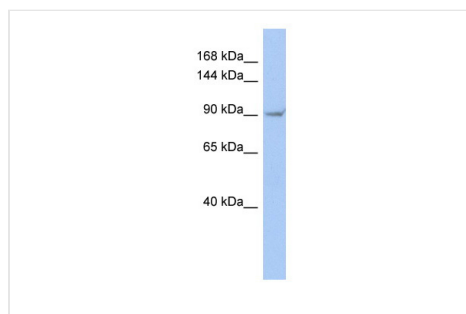
PRODUCT SYNONYMS

TRPV4; Polyclonal Antibody; TRPV4 antibody - middle region; anti-TRPV4 antibody

PRODUCT SPECIFICATIONS

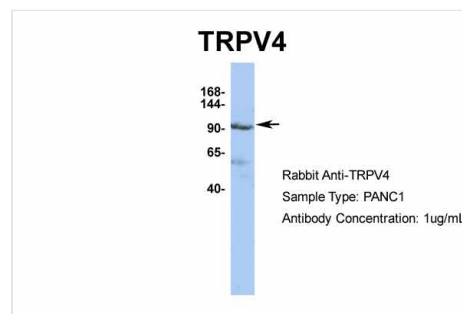
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RV DEVNWSHWNQ NLGIINEDPG KNETYQYYGF SHTVGRLRRD RWSSVVPR
Sequence Length	811
Applicable Applications for anti-TRPV4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 86%; Guinea Pig: 86%; Human: 100%; Mouse: 86%; Pig: 93%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TRPV4
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



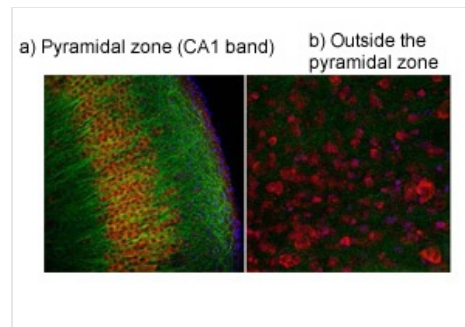
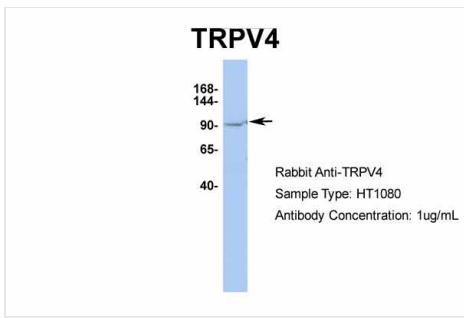
WB (Western Blot)

WB Suggested Anti-TRPV4 Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:312500
 Positive Control: HT1080 cell lysate



WB (Western Blot)

Host: Rabbit
 Target Name: TRPV4
 Sample Type: PANC1
 Antibody Dilution: 1.0 ug/mL
 TRPV4 is supported by BioGPS gene expression data to be expressed in PANC1



WB (Western Blot)

Host: Rabbit Target Name: TRPV4 Sample Type: HT1080 Antibody Dilution: 1.0ug/ml

IHC (Immunohistochemistry)

Rat Hippocampus

ADDITIONAL INFORMATION

Related Product Information for anti-TRPV4 antibody	This is a rabbit polyclonal antibody against TRPV4. It was validated on Western Blot using a cell lysate as a positive control.
	Target Description: TRPV4 is a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. TRPV4 is a Ca ²⁺ -permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca ²⁺ -permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-TRPV4 antibody	Polyclonal ; Ion Channel ; Membrane Protein ; Immunohistochemistry ; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	22547180
NCBI GeneID	59341
NCBI Accession #	NP_671737
NCBI GenBank Nucleotide #	NM_147204
UniProt Accession #	Q9HBA0
Molecular Weight	91kDa
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 4 isoform b
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily V member 4
NCBI Official Symbol	TRPV4
NCBI Official Synonym Symbols	SMAL; VRL2; BCYM3; CMT2C; SPSMA; TRP12; VROAC; HMSN2C; OTRPC4; SSQTL1
NCBI Protein Information	transient receptor potential cation channel subfamily V member 4
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 4
UniProt Gene Name	TRPV4
UniProt Synonym Gene Names	VRL2; VROAC; TrpV4; OTRPC4; TRP12; VRL-2; VR-OAC
UniProt Entry Name	TRPV4_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.

