

Rabbit anti-Human TRPV1 Polyclonal Antibody | anti-TRPV1 antibody

TRPV1 Antibody (N-term)

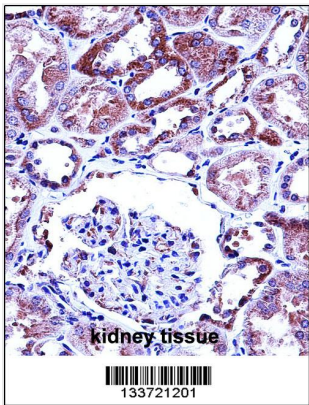
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285735	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

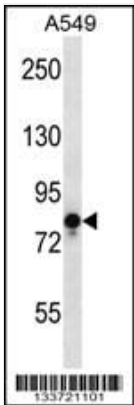
TRPV1; Polyclonal Antibody; TRPV1 Antibody (N-term); Transient receptor potential cation channel subfamily V member 1; TrpV1; Capsaicin receptor; Osm-9-like TRP channel 1; OTRPC1; Vanilloid receptor 1; VR1; anti-TRPV1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TRPV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-153 amino acids from the N-terminal region of human TRPV1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.37 (varies by lot)
Sequence Positions	124-153
Sequence Length	839
Applicable Applications for anti-TRPV1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
TRPV1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRPV1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TRPV1 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the TRPV1 antibody detected the TRPV1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TRPV1 antibody	Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene.
Product Categories/Family for anti-TRPV1 antibody	Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Cantero-Recasens, G., et al. J. Biol. Chem. 285(36):27532-27535(2010) Shieh, K.R., et al. Neurogastroenterol. Motil. 22(9):971-977(2010) Cheng, L.E., et al. Neuron 67(3):373-380(2010) Westlund, K.N., et al. Mol Pain 6, 46 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	74315350
NCBI GeneID	7442
NCBI Accession #	NP_061197.4; NP_542435.2; NP_542436.2; NP_542437.2
NCBI GenBank Nucleotide #	NM_018727.5
UniProt Accession #	Q8NER1; Q3LU47; Q9H0G9; Q9H303; Q9H304; Q9NQ74; Q9NY22; A2RUA9
Molecular Weight	94956
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 1
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 1
NCBI Official Symbol	TRPV1

NCBI Official Synonym Symbols	VR1
NCBI Protein Information	transient receptor potential cation channel subfamily V member 1
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 1
UniProt Gene Name	TRPV1
UniProt Synonym Gene Names	VR1; TrpV1; OTRPC1
UniProt Entry Name	TRPV1_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://www.aaabiotech.com/polyclonal/trpv1-antibody-immunohistochemistry-western-blot-elisa/285735>