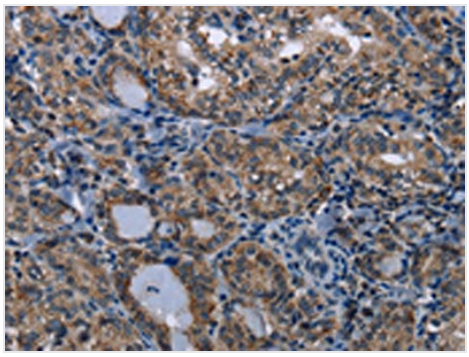
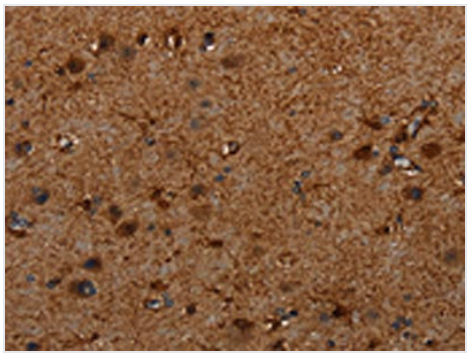
TRPV1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRPV1, Polyclonal Antibody
Full Product Name	TRPV1 Antibody
Product Gene Name	anti-TRPV1 antibody
Product Synonym Names	Transient receptor potential cation channel; subfamily V; member 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	Predicted: 92 kDa
OMIM	602076
3D Structure	ModBase 3D Structure for Q8NER1
Immunogen	Synthetic peptide of human TRPV1
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-TRPV1 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRPV1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-TRPV1 antibody	ELISA: 1:1000-1:2000 IHC: 1:25-1:100
Related Product Information for anti-TRPV1 antibody	MBS7129293 is an antibody targeting TRPV1. Also known as TRPV1 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TRPV1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-TRPV1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7129293(TRPV1 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-TRPV1 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7129293(TRPV1 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRPV1. It may not necessarily be applicable to this product.

NCBI GI #	74315354
NCBI GeneID	7442
NCBI Accession #	NP_542437
UniProt Primary Accession #	Q8NER1
UniProt Secondary Accession #	Q3LU47; Q9H0G9; Q9H303; Q9H304; Q9NQ74; Q9NY22; A2RUA9
UniProt Related Accession #	Q8NER1
GenBank Nucleotide #	NM_080706.3
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
UniProt Protein Name	Transient receptor potential cation channel subfamily V member 1
UniProt Synonym Protein Names	Capsaicin receptor; Osm-9-like TRP channel 1; OTRPC1; Vanilloid receptor 1
Protein Family	Transient receptor potential cation channel subfamily
UniProt Gene Name	TRPV1
UniProt Synonym Gene Names	VR1; TrpV1; OTRPC1
UniProt Entry Name	TRPV1_HUMAN
NCBI Protein Information	transient receptor potential cation channel subfamily V member 1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b
NCBI Summary for TRPV1	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. [provided by RefSeq, Jul 2008]

UniProt Comments for TRPV1	TRPV1: a receptor for capsaicin and a non-selective cation channel that is structurally related to members of the TRP family of ion channels. Activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Protein type: Channel, cation; Membrane protein, multi-pass; Membrane protein, integral; Receptor, misc. Chromosomal Location of Human Ortholog: 17p13.2 Cellular Component: postsynaptic membrane; integral to plasma membrane; integral to membrane; plasma membrane; cell junction; intrinsic to plasma membrane Molecular Function: calmodulin binding; transmembrane receptor activity; excitatory extracellular ligand-gated ion channel activity; calcium-release channel activity; calcium channel activity; phosphoprotein binding; ATP binding Biological Process: cell surface receptor linked signal transduction; transport; chemosensory behavior; thermoception; transmembrane transport
Research Articles on TRPV1	**1.** TRPV1 protein channel is involved in cigarette smoke-induced ATP release in the lung.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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