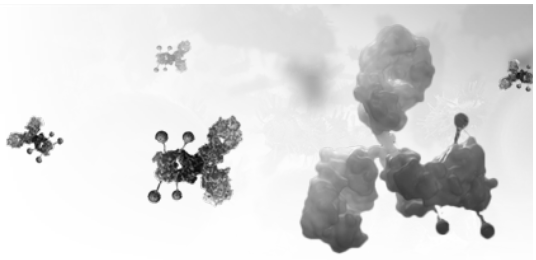

Rabbit anti-Human TRPV1 Polyclonal antibody (CPBT-58358RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human TRPV1.
Antigen Description	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.
Specificity	Widely expressed at low levels. Expression is elevated in dorsal root ganglia. In skin, expressed in cutaneous sensory nerve fibers, mast cells, epidermal keratinocytes, dermal blood vessels, the inner root sheet and the infundibulum of hair follicles, di
Immunogen	A synthetic peptide from the 4th cytoplasmic loop of human, rat and mouse VR1 conjugated to an immunogenic carrier protein. The antigen is homologous in other species including monkey and dog.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, IHC-P, IHC-Fr

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Sequence Similarities	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV1 sub-subfamily.Contains 6 ANK repeats.
Cellular Localization	Cell membrane.
Format	Liquid
Size	100 µl
Buffer	Preservative: NoneConstituents: Whole serum
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	TRPV1 transient receptor potential cation channel, subfamily V, member 1 [Homo sapiens]
Official Symbol	TRPV1
Synonyms	TRPV1; transient receptor potential cation channel, subfamily V, member 1; vanilloid receptor subtype 1 , VR1; transient receptor potential cation channel subfamily V member 1; Capsaicin receptor; DKFZp434K0220; osm 9 like TRP channel 1; Osm-9-like TRP channel 1; OTRPC1; Transient receptor potential cation channel subfamily V member 1; TRPV 1; TRPV1; TRPV1_HUMAN; Vanilloid receptor 1; Vanilloid receptor subtype 1; VR 1; VR1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b; VR1;
Entrez Gene ID	7442
Protein Refseq	NP_542436
UniProt ID	Q8NER1
Chromosome Location	17p13.3
Pathway	Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Trk receptor signaling mediated by PI3K and PLC-gamma, organism-specific biosystem; Trk receptor signaling mediated by the MAPK pathway, organism-specific biosystem;
Function	ATP binding; calcium channel activity; calmodulin binding; chloride channel regulator activity; nucleotide binding;

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