

TRPV2 Polyclonal Antibody

Catalog NumberPA5-34289

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * 5-10 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic 15 amino acid peptide from internal region of human TRPV2.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon (100%) Monkey (93%) Marmoset (87%).

Background/Target Information

VLR-1 is a calcium-permeable, non-selective cation channel with an outward rectification, that seems to be regulated, at least in part, by growth factors, like IGF1, PDGF and morphogenetic neuropeptide/head activator. VRL-1 does not respond to capsaicin, acid, or moderate heat, but instead is activated by high temperatures, with a threshold of approximately 52 degrees C. Within sensory ganglia, VRL-1 is most prominently expressed by a subset of medium- to large-diameter neurons, making it a candidate receptor for transducing high-threshold heat responses in this class of cells. VRL-1 transcripts are not restricted to the sensory nervous system, indicating that this channel may be activated by stimuli other than heat. VRL-1 is one of the six members of the vanilloid-like TRP-channel family which is now known as TRPV family.

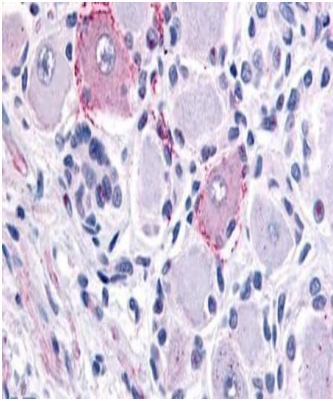
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Product Images For TRPV2 Polyclonal Antibody



TRPV2 Antibody (PA5-34289) in IHC (P)
Immunohistochemical analysis of formalin-fixed paraffin-embedded human dorsal root ganglion using a TRPV2 polyclonal antibody (Product # PA5-34289). Heat-induced antigen retrieval was performed prior to staining.

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