

TRPV2 Polyclonal Antibody

Catalog NumberPA1-18346

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Rat
Host/Isotope	Rabbit / IgG	Published species	Human, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Synthetic peptide corresponding to residues C-K(744) N S A S E E D H L P L Q V L Q S P(761) of rat VRL-1.	Immunohistochemistry (Frozen) (IHC (F))	1:1,000-1:2,000
		Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* 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.	
Form	Lyophilized		
Concentration	Conc. Not Determined		
Storage buffer	whole serum		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20 °C for a higher stability, and at 4 °C with an appropriate antibacterial agent.

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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