

TRPV2 Polyclonal Antibody

Catalog NumberPA5-18989

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Mouse
Host/Isotope	Goat / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Synthetic peptide sequence (SEEDHLPLQVLQSH) corresponding to the C-terminus amino acids of TRPV2	Immunocytochemistry (ICC/IF)	
Conjugate	Unconjugated	10 µg/mL	
Form	Liquid	* 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.	
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with mouse based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 4,000.

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.

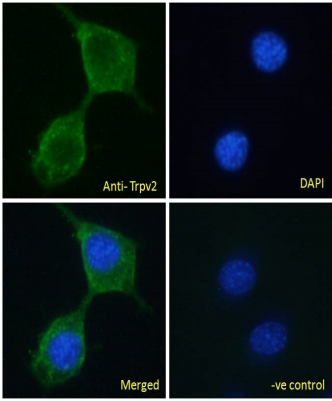
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Product Images For TRPV2 Polyclonal Antibody



TRPV2 Antibody (PA5-18989) in ICC/IF

Immunocytochemistry analysis of TRPV2 using TRPV2 Polyclonal Antibody (Product # PA5-18989) in paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).

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