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# TRPV2 Polyclonal Antibody

**Catalog Number** **PA5-34289**

**Product data sheet**

| Details | |
|---|---|
| **Size** | 50 µg |
| **Host/Isotope** | Rabbit / IgG |
| **Class** | Polyclonal |
| **Type** | Antibody |
| **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. |

| Species Reactivity | |
|---|---|
| **Species reactivity** | Human |

| Tested Applications | Dilution * |
|---|---|
| **Immunohistochemistry (Paraffin) (IHC (P))** | 5-10 µg/mL |

* 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.

## 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.

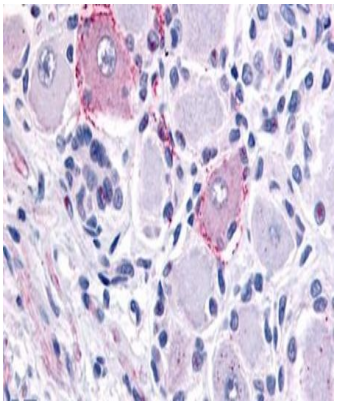
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## Product Images For TRPV2 Polyclonal Antibody



**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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