

TRPV2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP14049a**Specification**

TRPV2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9Y5S1](#)**TRPV2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 51393**Other Names**

Transient receptor potential cation channel subfamily V member 2, TrpV2, Osm-9-like TRP channel 2, OTRPC2, Vanilloid receptor-like protein 1, VRL-1, TRPV2, VRL

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14049a was selected from the N-term region of TRPV2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRPV2 Antibody (N-term) Blocking peptide - Protein Information**Name** TRPV2**Synonyms** VRL**Function**

Calcium-permeable, non-selective cation channel with an outward rectification. Seems to be regulated, at least in part, by IGF- I, PDGF and neuropeptide head activator. May transduce physical stimuli in mast cells. Activated by temperatures higher than 52 degrees Celsius; is not activated by vanilloids and acidic pH.

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasm. Melanosome. Note=Translocates from the cytoplasm to the plasma membrane upon ligand stimulation (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV

TRPV2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TRPV2 Antibody (N-term) Blocking peptide - Images**TRPV2 Antibody (N-term) Blocking peptide - Background**

This gene encodes an ion channel that is activated by high temperatures above 52 degrees Celsius. The protein may be involved in transduction of high-temperature heat responses in sensory ganglia. It is thought that in other tissues the channel may be activated by stimuli other than heat.

TRPV2 Antibody (N-term) Blocking peptide - References

Mercado, J., et al. J. Neurosci. 30(40):13338-13347(2010) Nabissi, M., et al. Carcinogenesis 31(5):794-803(2010) Monet, M., et al. Cancer Res. 70(3):1225-1235(2010) Liu, G., et al. Cancer Genet. Cytogenet. 197(1):54-59(2010) Saunders, C.I., et al. Biochim. Biophys. Acta 1792(10):1019-1026(2009)