

TRPV2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14049a**Specification**

TRPV2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9Y5S1
Other Accession	NP_057197.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	85981
Antigen Region	52-81

TRPV2 Antibody (N-term) - 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

This TRPV2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-81 amino acids from the N-terminal region of human TRPV2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TRPV2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPV2 Antibody (N-term) - 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 IGF1, 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

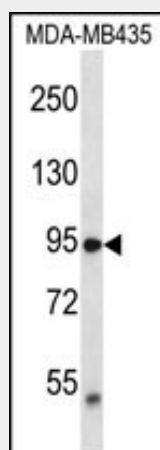
Cell membrane {ECO:0000250|UniProtKB:Q9WTR1}; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9WTR1}. Melanosome. Note=Translocates from the cytoplasm to the plasma membrane upon ligand stimulation (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV {ECO:0000250|UniProtKB:Q9WTR1}

TRPV2 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRPV2 Antibody (N-term) - Images



TRPV2 Antibody (N-term) (Cat. #AP14049a) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the TRPV2 antibody detected the TRPV2 protein (arrow).

TRPV2 Antibody (N-term) - 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) - 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)