

Anti-VRL1 Antibody

Catalog # ABO11285

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	Q9Y5S1
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transient receptor potential cation channel subfamily V member 2 (TRPV2) detection. Tested with WB, IHC-P, IHC-F in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Calculated MW	85981
Application Details	Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cell membrane ; Multi-pass membrane protein . Cytoplasm . Melanosome . 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. .
Source	Eukaryota
Protein Name	Transient receptor potential cation channel subfamily V member 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human VRL1(42-624aa QFQGEDRKFAPQIRVNLNYRK).
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV2 sub-subfamily.

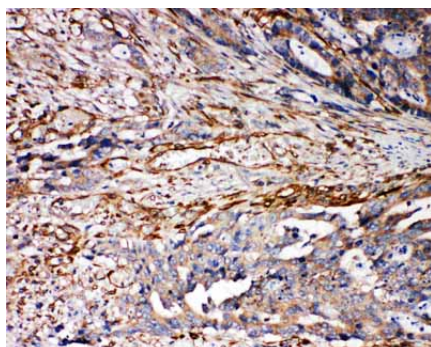
Protein Information

Name	TRPV2
Synonyms	VRL
Function	Calcium-permeable, non-selective cation channel (PubMed: 10201375). Seems to be regulated, at least in part, by growth factors, such as IGF1, PDGF and morphogenetic neuropeptide/head activator. May transduce physical stimuli in mast cells (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q9WTR1}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q9WUD2}. Cytoplasm {ECO:0000250 UniProtKB:Q9WTR1}. Melanosome. Note=Translocates from the cytoplasm to the plasma membrane upon ligand stimulation (By similarity). Expressed in melanosomes during melanosome maturation from stage I to stage IV {ECO:0000250 UniProtKB:Q9WTR1}

Background

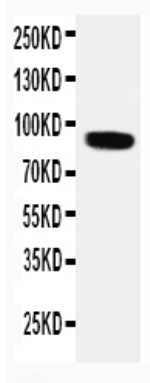
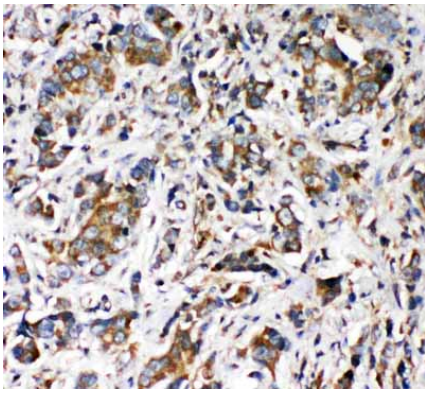
TRPV2(Transient Receptor Potential Cation Channel Subfamily V Member 2), also known as VRL1, is a protein that, in humans, is encoded by the TRPV1 gene. The International Radiation Hybrid Mapping Consortium mapped the TRPV2 gene to chromosome 17. This gene encodes an ion channel that is activated by high temperatures above 52 °C. The protein may be involved in transduction of high-temperature heat responses in sensory ganglia. It is though that in other tissues the channel may be activated by stimuli other than heat.

Images



Anti-VRL1 antibody, ABO11285, IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-VRL1 antibody, ABO11285, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti-VRL1 antibody, ABO11285, Western blottingWB:
HELA Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.