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TRPV3 Polyclonal Antibody

Catalog # AP73278

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q8NET8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90636

Additional Information

Gene ID	162514
Other Names	TRPV3; Transient receptor potential cation channel subfamily V member 3; TrpV3; Vanilloid receptor-like 3; VRL-3
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

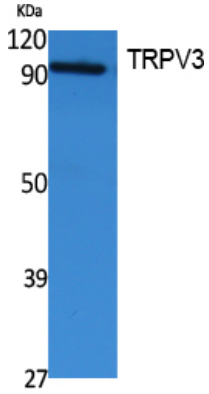
Name	TRPV3
Function	Non-selective calcium permeant cation channel (PubMed: 12077604, PubMed:12077606, PubMed:26818531, PubMed:37648856, PubMed:38691614). It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius (PubMed:12077604, PubMed:12077606). Activation exhibits an outward rectification (PubMed:12077604). The channel pore can dilate to provide permeability to larger cations (PubMed:37648856). May associate with TRPV1 and may modulate its activity (PubMed:12077606). Is a negative regulator of hair growth and cycling: TRPV3-coupled signaling suppresses keratinocyte proliferation in hair follicles and induces apoptosis and premature hair follicle regression (catagen) (PubMed:21593771).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasm Lysosome. Note=Targeted to lysosome for degradation in a SNX11-dependent manner.

Tissue Location	Abundantly expressed in CNS. Widely expressed at low levels. Detected in dorsal root ganglion (at protein level) Expressed in the keratinocyte layers of the outer root sheath and, to lesser extent, to the matrix of the hair follicles (at protein level)

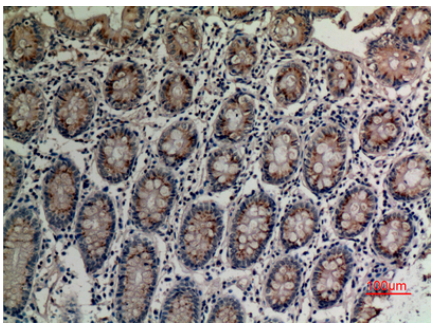
Background

Putative receptor-activated non-selective calcium permeant cation channel. It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius. Activation exhibits an outward rectification. May associate with TRPV1 and may modulate its activity. Is a negative regulator of hair growth and cycling: TRPV3-coupled signaling suppresses keratinocyte proliferation in hair follicles and induces apoptosis and premature hair follicle regression (catagen).

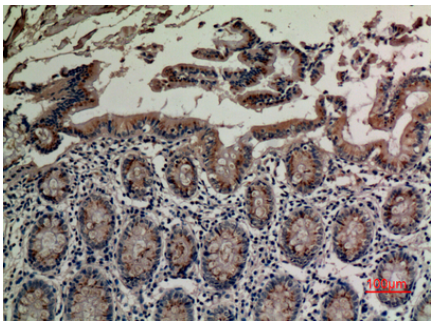
Images



Western Blot analysis of extracts from Jurkat cells, using TRPV3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100

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