10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Trpv6 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10813

Product Information

Application	WB, IHC
Primary Accession	Q9R186
Other Accession	NM_053686, NP_446138
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87362

Additional Information

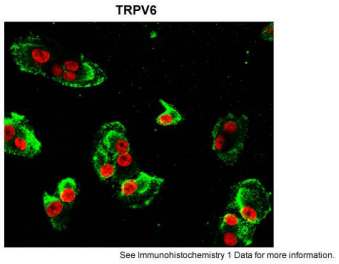
Gene ID	114246
Alias Symbol	CaT1, Ecac2, Otrpc3
Other Names	Transient receptor potential cation channel subfamily V member 6, TrpV6, Calcium transport protein 1, CaT1, Epithelial calcium channel 2, ECaC2, Trpv6
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Trpv6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Trpv6 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

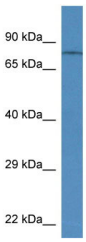
Name	Trpv6
Function	Calcium selective cation channel that mediates Ca(2+) uptake in various tissues, including the intestine (PubMed:10428857, PubMed:11287959, PubMed:27296226, PubMed:28878326). Important for normal Ca(2+) ion homeostasis in the body, including bone and skin (By similarity). The channel is activated by low internal calcium level, probably including intracellular calcium store depletion, and the current exhibits an inward rectification (PubMed:10428857, PubMed:11287959, PubMed:27296226). Inactivation includes both a rapid Ca(2+)-dependent and a slower Ca(2+)-calmodulin-dependent mechanism; the latter may be regulated by phosphorylation. In vitro, is slowly inhibited by Mg(2+) in a

	voltage-independent manner. Heteromeric assembly with TRPV5 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in duodenum, proximal jejunum, cecum, and colon.

Images



Sample Type: hRetinal pigment epithelial cells Green: primary Red: nuclear Primary Dilution: 1:200 Secondary Antibody: goat anti-rabbit-Alexa 488 Secondary Dilution: 1:500 Image Submitted by: Brian Kennedy Indiana University Northwest See Customer Feedback tab for detailed information.



Trpv6 antibody - middle region (AI10813) validated by WB using Rat Brain lysate at 1µg/ml.

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