

Rat TRPV3 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1425b**Specification**

Rat TRPV3 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q4QYD9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	90273
Antigen Region	662-692

Rat TRPV3 Antibody (C-term) - Additional Information**Other Names**

Heat sensitive channel TRPV3

Target/Specificity

This Rat TRPV3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 662-692 amino acids from the C-terminal region of rat TRPV3.

Dilution

WB~~1:1000

IHC-P~~1:10~50

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 G column, followed by dialysis against PBS.

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

Rat TRPV3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Rat TRPV3 Antibody (C-term) - Protein Information

Name Trpv3 {ECO:0000313|RGD:1564531}

Function 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. The channel pore can dilate to provide

permeability to larger cations. 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).

Cellular Location

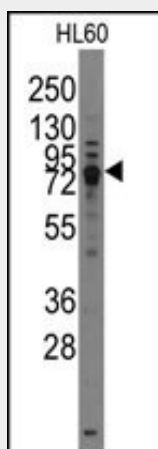
Cell membrane {ECO:0000256|ARBA:ARBA00004651}; Multi-pass membrane protein {ECO:0000256|ARBA:ARBA00004651}. Cytoplasm {ECO:0000256|ARBA:ARBA00004496}. Lysosome {ECO:0000256|ARBA:ARBA00004371}

Rat TRPV3 Antibody (C-term) - Protocols

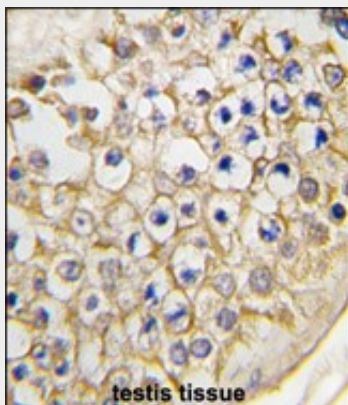
Provided below are standard protocols that you may find useful for product applications.

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

Rat TRPV3 Antibody (C-term) - Images



Western blot analysis of TRPV3 Antibody (C-term) (Cat.#AP1425b) in HL60 cell line lysates (35ug/lane). TRPV3 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with TRPV3 Antibody (C-term) (Cat.#AP1425b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Rat TRPV3 Antibody (C-term) - Background

TRPV3 belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C.

Rat TRPV3 Antibody (C-term) - References

Frederick,J., Biochem. Biophys. Res. Commun. 358 (4), 1058-1064 (2007)
Asakawa,M., J. Invest. Dermatol. 126 (12), 2664-2672 (2006)