

**Mouse TRPV3 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1425a****Specification**

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**Mouse TRPV3 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q8K424</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	90663
Antigen Region	90-119

**Mouse TRPV3 Antibody (N-term) - Additional Information****Gene ID** 246788**Other Names**

Transient receptor potential cation channel subfamily V member 3, TrpV3, Trpv3

**Target/Specificity**

This Mouse TRPV3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-119 amino acids from the N-terminal region of mouse TRPV3.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**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**

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

**Mouse TRPV3 Antibody (N-term) - Protein Information****Name** Trpv3

**Function** 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) (By similarity).

**Cellular Location**

Membrane; Multi-pass membrane protein

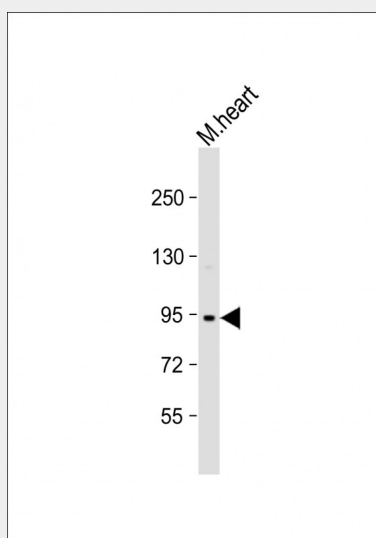
**Tissue Location**

Expressed in keratinocytes and hair follicles.

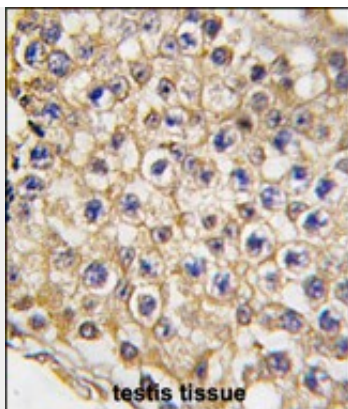
**Mouse TRPV3 Antibody (N-term) - Protocols**

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](#)

**Mouse TRPV3 Antibody (N-term) - Images**

Anti-TRPV3 (N-term) at 1:1000 dilution + mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 91kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Formalin-fixed and paraffin-embedded human testis tissue reacted with TRPV3 Antibody (N-term) (Cat.#AP1425a), 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.

#### **Mouse TRPV3 Antibody (N-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. This gene lies in close proximity to another family member (TRPV1) gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels.

#### **Mouse TRPV3 Antibody (N-term) - References**

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