10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Mouse TRPV3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP1425a

Specification

Mouse TRPV3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8K424

Mouse TRPV3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 246788

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1425a was selected from the N-term region of human Mouse TRPV3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse TRPV3 Antibody (N-term) Blocking Peptide - Protein Information

Name Trpv3

Function

Mouse TRPV3 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

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

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) Blocking Peptide - Protocols

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

- Blocking Peptides