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

TRPV3 (aa762-773) Antibody (internal region, near C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2811a

Specification

TRPV3 (aa762-773) Antibody (internal region, near C-Term) - Product Information

Application	**WB**
Primary Accession	Q8NET8
Other Accession	NP_659505.1, 162514, 246788 (mouse), 497948 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**90636**

TRPV3 (aa762-773) Antibody (internal region, near C-Term) - Additional Information

Gene ID 162514

Other Names
Transient receptor potential cation channel subfamily V member 3, TrpV3, Vanilloid receptor-like 3, VRL-3, TRPV3

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TRPV3 (aa762-773) Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPV3 (aa762-773) Antibody (internal region, near C-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).

Cellular Location
Membrane; Multi-pass membrane protein.

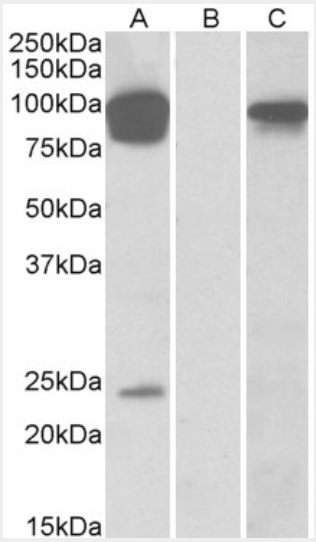
Tissue Location
Abundantly expressed in CNS. Widely expressed at low levels. Detected in dorsal root ganglion (at protein level) Expressed in the keratinocyte layers of the outer root sheath and, to lesser extent, to the matrix of the hair follicles (at protein level)

TRPV3 (aa762-773) Antibody (internal region, near 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 Cytomety
- Cell Culture

TRPV3 (aa762-773) Antibody (internal region, near C-Term) - Images



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human TRPV3 with DYKDDDDK tag probed with AF2811a (0.5ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/10000) in lane C. Mock-transfected HEK293 probed with AF2811a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

TRPV3 (aa762-773) Antibody (internal region, near C-Term) - References

TRPV3 is a calcium-permeable temperature-sensitive cation channel. Xu H, Ramsey IS, Kotecha SA, Moran MM, Chong JA, Lawson D, Ge P, Lilly J, Silos-Santiago I, Xie Y, DiStefano PS, Curtis R, Clapham DE. Nature. 2002 Jul 11;418(6894):181-6. Epub 2002 Jun 23 PMID: 12077604