



Product datasheet

Anti-TRPV3 antibody [N15/39] ab94582

3 Images

Overview

Product name	Anti-TRPV3 antibody [N15/39]
Description	Mouse monoclonal [N15/39] to TRPV3
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Rat TRPV3 aa 458-474 (C terminal). Sequence: VSYYRPREGEALPHPLA <div>  Run BLAST with  Run BLAST with </div>
Positive control	COS-1 cell lysate transiently transfected with TRPV3
General notes	<p>The clone number has been updated from S15-39 to N15/39, both clone numbers name the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N15/39
Isotype	IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab94582 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.1-1 µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-P		Use a concentration of 0.1 - 1 µg/ml.
ICC/IF		Use a concentration of 1 - 10 µg/ml.

Target

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.

Tissue specificity

Abundantly expressed in CNS. Widely expressed at low levels. Detected in dorsal root ganglion (at protein level).

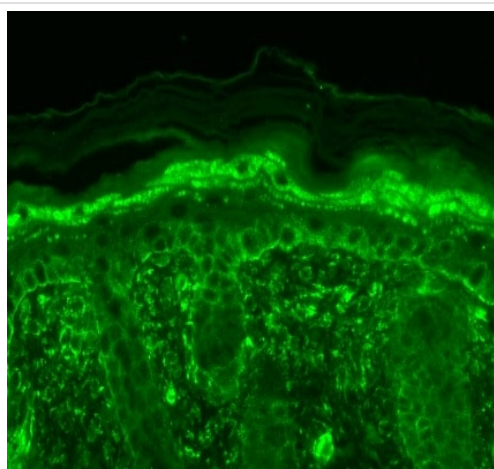
Sequence similarities

Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV3 sub-subfamily. Contains 3 ANK repeats.

Cellular localization

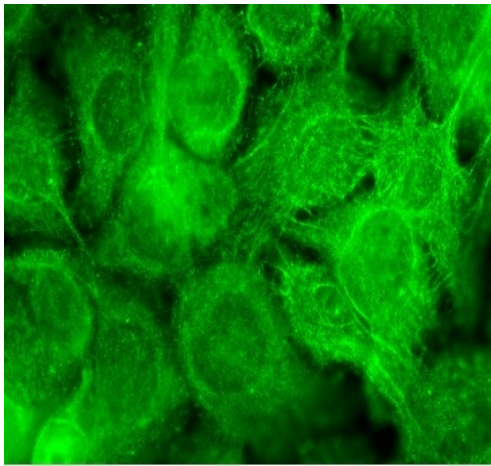
Membrane.

Images



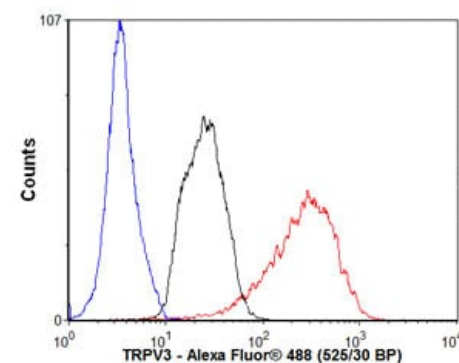
Paraffin-embedded, Bouin's-fixed mouse backskin tissue stained for TRPV3 (green) using ab94582 at 1/100 dilution in immunohistochemical analysis. FITC Goat Anti-Mouse (green) was used as the secondary antibody at 1/50 dilution. Filaggrinlike staining in upper layers. Dull lower layer cell staining. Some stain seen in hypodermis is observed.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV3 antibody [N15/39] (ab94582)



Immunocytochemistry/ Immunofluorescence - Anti-TRPV3 antibody [N15/39] (ab94582)

ice cold methanol-fixed HaCat cells labeling TRPV3 (green) using ab94582 at 1/100 dilution in ICC/IF analysis. FITC Goat Anti-Mouse (green) was used as the secondary antibody at 1/50 dilution. Dotty staining in all cells. Some intermediate filamentlike staining in some cells was observed.



Flow Cytometry - Anti-TRPV3 antibody [N15/39] (ab94582)

Overlay histogram showing SH-SY5Y cells stained with ab94582 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab94582, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H+L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive result in 80% methanol (5 min) fixed SH-SY5Y cells used under the same conditions. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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