




Product datasheet

Anti-TRPV3 antibody [N15/4] ab85022

★★★★★ 1 Abreviews 3 References 4 Images

Overview

Product name	Anti-TRPV3 antibody [N15/4]
Description	Mouse monoclonal [N15/4] to TRPV3
Host species	Mouse
Tested applications	Suitable for: WB, Flow Cyt, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow 
Immunogen	Synthetic peptide corresponding to Rat TRPV3 aa 774-791. From the cytoplasmic C-terminus Sequence: KTTLYAFDELDEFPEHSV Database link: NP_001020928  Run BLAST with  Run BLAST with
Positive control	COS-1 cell lysate transiently transfected with TRPV3.
General notes	The clone number has been updated from S15-4 to N15/4, both clone numbers name the same antibody clone.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N15/4
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab85022** in the following tested applications.

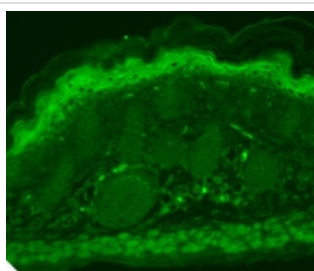
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 90 kDa.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★☆	1/1000.

Target

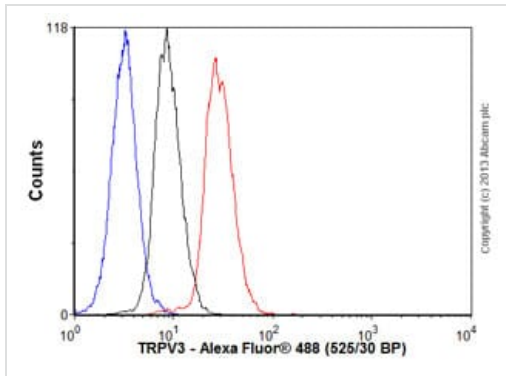
Function	Putative receptor-activated non-selective calcium permeant cation channel. It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius. Activation exhibits an outward rectification. May associate with TRPV1 and may 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



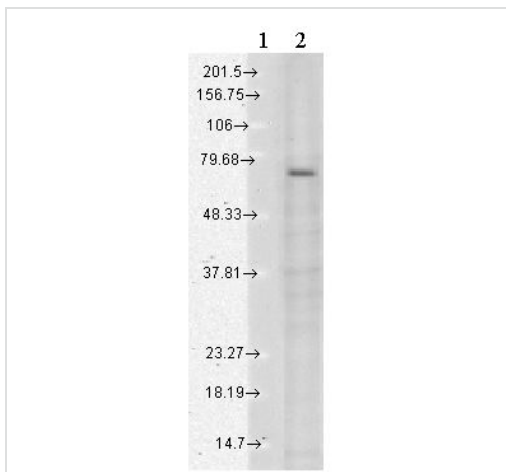
ab85022 staining TRPV3 in mouse back skin tissue section by IHC-P. Bouin's fixed and paraffin-embedded tissue sections were used.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV3 antibody [N15/4] (ab85022)



Flow Cytometry - Anti-TRPV3 antibody [N15/4]
(ab85022)

Overlay histogram showing SH-SY5Y cells stained with ab85022 (red line). The cells were fixed with 80% methanol (5 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 (ab85022, 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. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.



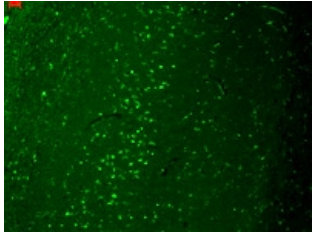
Western blot - Anti-TRPV3 antibody [N15/4]
(ab85022)

All lanes : Anti-TRPV3 antibody [N15/4] (ab85022) at 1 µg/ml

Lane 1 : Molecular weight marker

Lane 2 : Cell lysates prepared from mixture of human cell lines A431, A549, HCT116, HeLa, HEK293, HepG2, HL-60, HUVEC, Jurkat, MCF7, PC3 and T98G at 10 µg

Predicted band size: 90 kDa



ab85022 staining TRPV3 in human hippocampus tissue section by IHC-P. Bouin's fixed and paraffin-embedded tissue sections were used.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV3 antibody [N15/4] (ab85022)

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