

Product datasheet

Anti-TRP 7 antibody [N64A/36] ab93618

[1 References](#) [3 Images](#)

Overview

Product name	Anti-TRP 7 antibody [N64A/36]
Description	Mouse monoclonal [N64A/36] to TRP 7
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide: LRVNLGKDI , corresponding to amino acids 854-862 of Human TRP 7 (UniProt Q9HCX4). Run BLAST with Run BLAST with
Positive control	Rat brain lysate
General notes	<p>The clone number has been updated from S64A-36 to N64A/36, 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. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N64A/36
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab93618 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		
IHC-P		
ICC/IF		

Application notes

ICC: Use at a concentration of 0.1 - 1 µg/ml.
ICC/IF: Use at a concentration of 1 - 10 µg/ml.
IHC-P: Use at a concentration of 0.1 - 1 µg/ml.
IHC-Fr: Use at a concentration of 0.1 - 1 µg/ml.
WB: Use at a concentration of 1 - 10 µg/ml. Predicted molecular weight: 100 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

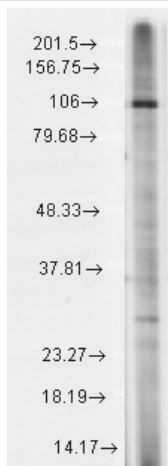
Target

Function Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) (By similarity). May also be activated by intracellular calcium store depletion.

Sequence similarities Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC7 sub-subfamily. Contains 4 ANK repeats.

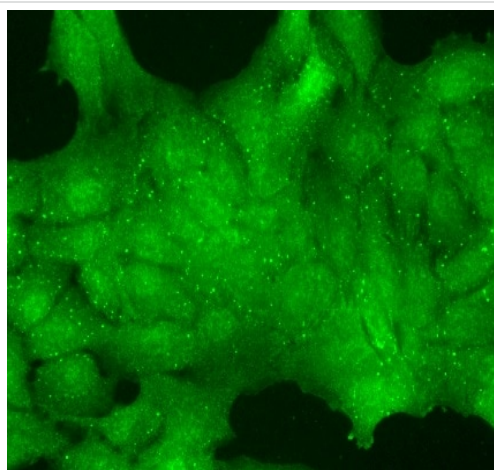
Cellular localization Membrane.

Images



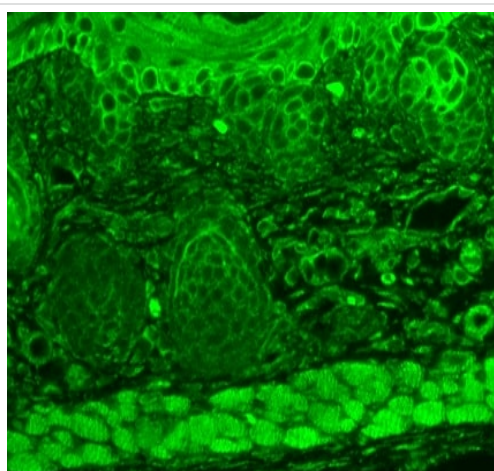
Western blot - Anti-TRP 7 antibody [N64A/36] (ab93618)

Western blot detection of Trp7 in Rat brain membrane lysates using ab93618 at 1:1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-TRP 7 antibody [N64A/36] (ab93618)

Cold 100% methanol for 10 minutes at -20°C fixed HaCaT cells labeling TRP 7 (green) using ab93618 at 1/100 dilution for 1 hour at room temperature. FITC Goat anti-mouse (green) was used as the secondary antibody at 1/50 dilution for 1 hour at room temperature. Nuclear staining is observed.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP 7 antibody [N64A/36] (ab93618)

Bouin's-fixed, paraffin-embedded mouse backskin tissue stained for TRP 7 (green) using ab93618 at 1/100 dilution in immunohistochemical analysis. Goat Anti-Mouse was used as the secondary antibody at 1/50 dilution.

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