Datasheet for ABIN863127

anti-TRPV3 antibody (AA 458-474)

6 Images | 4 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	TRPV3
Binding Specificity:	AA 458-474
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRPV3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF), Antibody Array (AA)

Product Details

Immunogen:	Synthetic peptide amino acids 458-474 (cytoplasmic C-terminus) of rat TrpV3
Clone:	N15-39 (Formerly S15-39)
Isotype:	IgG2a
Specificity:	Detects ~70 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	TRPV3

Target Details

Alternative Name:	TRPV3 (TRPV3 Products)
Background:	The TRPV3 protein belongs to a family of non-selective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermo sensitive 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. The 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 (1, 2).
Gene ID:	497948
NCBI Accession:	NP_001020928
UniProt:	Q4QYD9

Application Details

Application Notes:	• WB (1:1000) • IHC (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN863127 was sufficient for detection of TrpV3 in 10 µg of COS-1 cell lysate transiently transfected with TrpV3 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C

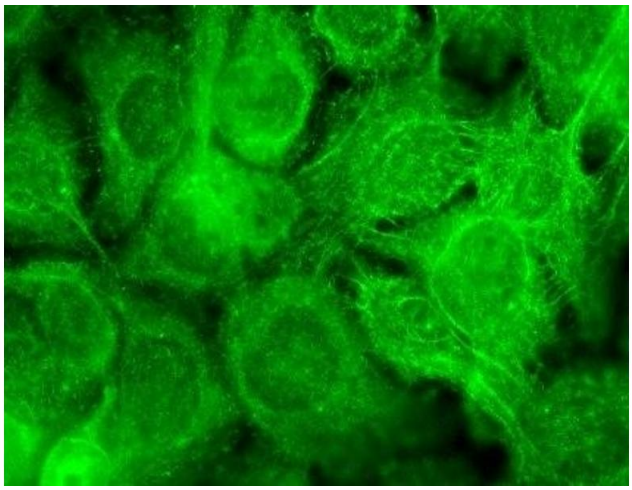
Publications

Product cited in:

Voth, Gwin, Francis, Balczon, Frank, Pittet, Wagener, Moser, Alexeyev, Housley, Audia, Piechocki, Madera, Simmons, Crawford, Stevens: "Virulent Pseudomonas aeruginosa infection converts antimicrobial amyloids into cytotoxic prions." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 34, Issue 7, pp. 9156-9179, (2020) (PubMed).

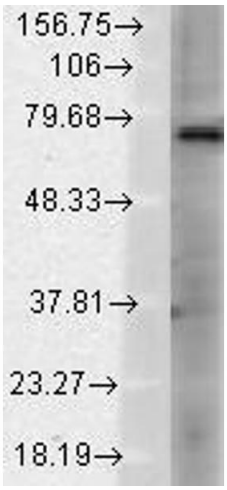
Epelbaum, Youssef, Lacor, Chaurand, Duplus, Brugg, Duyckaerts, Delatour: "Acute amnestic encephalopathy in amyloid-β oligomer-injected mice is due to their widespread diffusion in vivo. " in: **Neurobiology of aging**, Vol. 36, Issue 6, pp. 2043-52, (2015) (PubMed).

Images



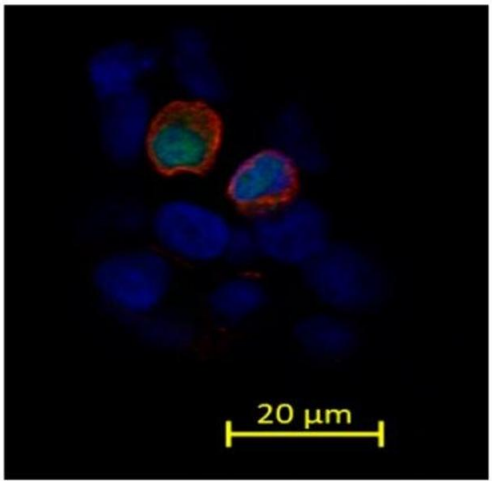
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 (ABIN863127). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100 % methanol for 10 minutes at -20 °C. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (ABIN863127) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dotty staining in all cells. Some intermediate filament-like staining in some cells.



Western Blotting

Image 2. TrpV3 Rat Brain Membrane Western Blotting.



Immunostaining

Image 3. a) Immunohistochemical staining of HEK-293 cells transfected with a vector for the simultaneous overexpression of human TRPV3 and green fluorescent protein (GFP, green), stained with a specific antibody (ABIN863127)

Please check the product details page for more images. Overall 6 images are available for ABIN863127.