Mouse TrpV3 Monoclonal Antibody | anti-Trpv3 antibody

TrpV3 Antibody: RPE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103359	**Mouse**	**Human, Mouse, Rat**	**Immunoprecipitation, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

TrpV3; Monoclonal Antibody; TrpV3 Antibody: RPE; VRL3; vanilloid receptor 2; transient receptor potential cation channel subfamily V member 3; sensitive channel TRPV3; 1110036I10Rik; MGC124324; MGC124325; Trpv3 heat sensitive channel; vanilloid receptor-related osmotically activated channel protein; anti-Trpv3 antibody

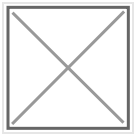
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	S15-39
Form/Format	Protein G Purified
Concentration	1mg/mL (varies by lot)
Sequence Length	791
Applicable Applications for anti-Trpv3 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Conjugate	RPE
Storage Buffer	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Preparation and Storage	-20 degree C

IMAGES

ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39. Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20 degree C. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody 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.

WB (Western Blot)
Western Blot analysis of Rat brain membrane lysate showing detection of TrpV3 protein using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39. Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



IHC (Immunohistochemistry)
Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filaggrin-like staining in upper layers. Dull lower layer cell staining. Some stain seen in hypodermis.

ADDITIONAL INFORMATION

Related Product Information for anti-Trpv3 antibody	**Background Info:** Detects ~70kDa. **Scientific 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 (3, 4).
Product Categories/Family for anti-Trpv3 antibody	Ion Channels; Neuroscience
References	1. Hille B. (2001) Ion Channels of Excitable Membranes, 3rd Ed., Sinauer Associated Inc.: Sunderland, MA USA. 2. www.iochannels.org 3. Masamoto Y., Kawabata F., Fushiki T. (2009) Biosci. Biotechnol. Biochem. 73(5): 1021-1027. 4. Xiao R., et al. (2008) J Biol Chem. 283(10): 6162-6174.

NCBI AND UNIPROT INFORMATION

NCBI GI #	429535830
NCBI GeneID	497948
NCBI Accession #	NP_001020928
NCBI GenBank Nucleotide #	NM_001025757.2
UniProt Accession #	Q4QYD9
Molecular Weight	90,273 Da
NCBI Official Full Name	transient receptor potential cation channel subfamily V member 3
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily V, member 3
NCBI Official Symbol	Trpv3
NCBI Protein Information	transient receptor potential cation channel subfamily V member 3; heat sensitive channel TRPV3
UniProt Protein Name	Heat sensitive channel TRPV3
UniProt Gene Name	**Trpv3**
UniProt Entry Name	Q4QYD9_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/trpv3-antibody-clone-s15-39-immunoprecipitation-immunocytochemistry-western-blot-elisa/103359