

Product Datasheet

Anti-TrpV1 Antibody FL650 Conjugate



Overview

Catalog #	75-254-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone Number	N221/17
Size	200 μ L
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-160 (cytoplasmic N-terminus) of rat TrpV1 (accession number O35433) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-254-FL650, RRID: AB_2939927

Details

Target Description	Transient receptor potential cation channel subfamily V (vanilloid) member 1, or TrpV1 is a member of transient receptor potential cation channel family (TRP channel). TrpV1 is a non-selective, ligand activated calcium permeant cation channel that is widely expressed in tissues but elevated in dorsal root ganglia, highly but not solely expressed in postsynaptic dendritic spines. TrpV1 is involved in heat and chemical detection and in pain perception.
Specificity	No cross-reactivity reported
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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