

Product Datasheet

Anti-ASIC1 Antibody FL550 Conjugate



Overview

Catalog #	75-277-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N271/44
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC, IP
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 460-526 (cytoplasmic C-terminus) of mouse ASIC1 (accession number Q6NXX8) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-277-FL550, RRID: AB_2939985

Details

Target Description	Acid sensing ion channel 1, Neuronal amiloride-sensitive cation channel 2 or ASIC1 is encoded by the gene ASIC1 and is a member of the Acid sensing ion channel (ASIC) family. ASIC1 acts as an acid sensing proton gated sodium channel and is thought to play a role in learning, pain transduction, memory development, and fear conditioning. ASIC1 is widely expressed in the central and peripheral nervous system. Diseases associated with ASIC1 include spatial learning and memory capability problems and Frozen Shoulder.
Specificity	Does not cross-react with ASIC2
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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