

## Product Datasheet

## Anti-ASIC1 Antibody FL650 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-277-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N271/44
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC, IP
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 460-526 (cytoplasmic C-terminus) of mouse ASIC1 (accession number Q6NXX8) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-277-FL650, RRID: AB_2939987

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with ASIC2
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.

**Our Guarantee**

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