

Product Datasheet

Anti-SNAT1 Antibody FL550 Conjugate



Overview

Catalog #	75-155-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N104/37
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
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-63 (cytoplasmic N-terminus) of rat SNAT1 (accession number Q9JM15) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-155-FL550, RRID: AB_2939573

Details

Target Description	Sodium-coupled neutral amino acid transporter 1 (SNAT1) or Solute Carrier Family 38 Member 1 is encoded by the gene Slc38a1 and belongs to the amino acid/polyamine transporter 2 family. SNAT1 acts as a sodium-dependent transporter of glutamine which serves as a precursor for the synaptic transmitter, glutamate. SNAT1 is expressed in brain, specifically at glutamatergic and GABAergic neurons, and also expressed in placenta, heart, lung, skeletal muscle, spleen, stomach and testis. Diseases associated with this gene include Klatskin's Tumor.
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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