

Product Datasheet

Anti-KCC2 Antibody FL550 Conjugate



Overview

Catalog #	75-050-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N1/66
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
Species Reactivity	Chicken, Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 932-1043 (intracellular carboxyl terminus) of rat KCC2b (accession number Q63633) produced recombinantly in E. Coli
Molecular Weight	140 kDa
Cite this Antibody	Antibodies Inc Cat# 75-050-FL550, RRID: AB_2939221

Details

Target Description	Solute carrier family 12 member 5 is encoded by the gene SLC12A5 and belongs to the SLC12 family of cation-coupled chloride transporters. SLC12A5 is an integral membrane K-Cl cotransporter that mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl ⁽⁻⁾ homeostasis. Diseases associated with SLC12A5 include Early Infantile Epileptic Encephalopathy 34 and Idiopathic Generalized Epilepsy 14.
Specificity	Does not react with KCC1, KCC3 or KCC4
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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