

Product Datasheet

Anti-Ankyrin-B Antibody FL550 Conjugate



Overview

Catalog #	75-144-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N105/13
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	Bovine, Guinea Pig, Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 203-496 of human Ankyrin-B (accession number Q01484) produced recombinantly in E. Coli
Molecular Weight	>200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-144-FL550, RRID: AB_2939533

Details

Target Description	Ankyrin-2 or -Ankyrin-B is encoded by the gene ANK2. Ankyrin B is a scaffold protein that functions to link proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane cytoskeleton. In this manner, ankyrin family proteins play key roles in various processes including cell motility, activation, proliferation, contact and the maintenance of specialized membrane domains. Ankyrin B is expressed in brain and muscle. Mutations in this gene cause long QT syndrome 4 and cardiac arrhythmia syndrome.
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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