

Product Datasheet

Anti-Ankyrin-G (Staining) Antibody FL490 Conjugate



Overview

Catalog #	75-147-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	N106/65
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	Human, Mouse, and Rat
Immunogen	Fusion protein ~1000 amino acids of Ankyrin-G (accession number E9PE32) produced recombinantly in E. Coli
Molecular Weight	<200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-147-FL490, RRID: AB_2939544

Details

Target Description	Ankyrin-G (ankyrin 3) is a member of the Ankyrin family which consists of Ankyrin R (1), Ankyrin B (2) and Ankyrin G (3) all of which are expressed in the nervous system. Ankyrins are structural proteins that aid in the attachment of integral membrane proteins with the spectrin-actin cytoskeleton, and thus targets voltage-gated sodium channels, potassium channels, cell adhesion molecules and others at the nodes of Ranvier and axonal initial segments (AIS). Variants in Ankyrin G have been linked to bipolar disorder.
Specificity	Does not cross-react with Ankyrin-B
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 IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

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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