

Product Datasheet

Anti-Ankyrin-G (Blotting) Antibody FL594 Conjugate



Overview

Catalog #	75-187-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N106/20
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, Non-Human Primate, 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# 75-187-FL594, RRID: AB_2939694

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	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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.