

## Product Datasheet

## Anti-Ankyrin-B Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-144-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N105/13
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Bovine, Guinea Pig, Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 203-496 of human Ankyrin-B (accession number Q01484) produced recombinantly in E. Coli
<b>Molecular Weight</b>	>200 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-144-FL594, RRID: AB_2939534

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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**

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