

Product Datasheet

Anti-Ankyrin-B Antibody FL490 Conjugate



Overview

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|---------------------------|---|
| Catalog # | 75-144-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 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-FL490, RRID: AB_2939532 |

Details

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|------------------------------|---|
| 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.

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.

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