

Product Datasheet

Anti-Beta4-Spectrin Antibody FL490 Conjugate



Overview

Catalog #	75-377-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	N393/76
Size	200 μ L
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 amino acids 1621-1832 (C-terminal repeats 14 to 15) of human Beta4-spectrin (accession number Q9H254) produced recombinantly in E. Coli
Molecular Weight	>200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-377-FL490, RRID: AB_2940256

Details

Target Description	Spectrin beta chain, non-erythrocytic 4, or β 4 spectrin, is a member of the spectrin family of cytoskeletal proteins. It is found in the cytoskeleton and cell cortex of cells in the brain and pancreatic islets. It is also expressed in skeletal muscle. β 4 spectrin functions as a scaffold protein that links the actin cytoskeleton to the plasma membrane. It is involved in cell shape and organization. Mutations in the β 4 spectrin gene are associated with congenital myopathy, and neurodevelopmental disorder with hypotonia, neuropathy and deafness (NEDHND).
Specificity	Does not cross-react with other Beta-spectrins
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.

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.