

Product Datasheet

Anti-Doc2B Antibody FL490 Conjugate



Overview

Catalog #	75-214-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N150/21
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	Mouse and Rat
Immunogen	Fusion protein amino acids 1-216 (N-terminus) of rat Doc2b (accession number P70610) produced recombinantly in E. Coli
Molecular Weight	45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-214-FL490, RRID: AB_2939792

Details

Target Description	Double C2-like domain-containing protein beta or Doc2b is encoded by the gene DOC2b. Doc2b functions as a calcium sensor which positively regulates soluble NSF attachment receptor (SNARE) dependent fusion of vesicles with membranes. Doc2b binds phospholipids and may act at the priming stage of membrane fusion by modifying membrane curvature to stimulate fusion. Doc2b is expressed in pancreatic cells, endocrine cells and brain, where it is highly expressed in neurons. (Friedrich et al. Neurosci., July 2, 2008 • 28(27):6794 – 6806)
Specificity	Does not cross-react with Doc2a
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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