

Product Datasheet

Anti-Collybistin Antibody FL550 Conjugate



Overview

Catalog #	75-476-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	L120/12
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	Mouse and Rat
Immunogen	Fusion protein amino acids 105-455 of rat Collybistin (accession number Q9QX73) produced recombinantly in E. Coli
Molecular Weight	50-60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-476-FL550, RRID: AB_2940589

Details

Target Description	Rho guanine nucleotide exchange factor 9 or Collybistin is encoded by the gene ARHGEF9. Collybistin is a guanine nucleotide exchange factor (GEF) and is a member of the Rho-like GTPase family. Collybistin functions to cycle active GTP to inactive GDP. Collybistin is involved in microfilament regulation and clustering of some GABA receptors and It is expressed in brain at postsynaptic membranes. Diseases associated with ARHGEF9 include Early Infantile Epileptic Encephalopathy and Hyperekplexia.
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.

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