

## Product Datasheet

## Anti-Collybistin Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-476-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	L120/12
<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
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 105-455 of rat Collybistin (accession number Q9QX73) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50-60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-476-FL490, RRID: AB_2940588

## Details

<b>Target Description</b>	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.
<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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