

## Product Datasheet

## Anti-Homer1 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-454-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	L113/130
<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, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 121-363 (C-terminus) of mouse Homer1 (accession number Q9Z2Y3) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-454-FL490, RRID: AB_2940508

## Details

<b>Target Description</b>	Homer Scaffold Protein 1 is encoded by the gene HOMER1. Homer1 is a member of the Homer family of dendritic proteins. Homer1 is a postsynaptic density scaffolding protein which binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNMT3, RYR1, RYR2, SHANK1, and SHANK3. HOMER1 is expressed in the skeletal muscle, heart, and brain. Diseases associated with HOMER1 include Phelan-Mcdermid Syndrome, bipolar disorder, autism, fragile x syndrome, and pervasive developmental disorder.
<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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