

Product Datasheet

Anti-Homer1 Antibody FL650 Conjugate



Overview

Catalog #	75-454-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone Number	L113/130
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 121-363 (C-terminus) of mouse Homer1 (accession number Q9Z2Y3) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-454-FL650, RRID: AB_2940511

Details

Target Description	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.
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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