

Product Datasheet

Anti-CASPR2 Antibody FL650 Conjugate



Overview

Catalog #	75-075-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG2a
Clone Number	K67/25
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 96-1265 (extracellular domain) of human Caspr2 (accession number A0A090N7T7) produced recombinantly in E. Coli
Molecular Weight	180 kDa
Cite this Antibody	Antibodies Inc Cat# 75-075-FL650, RRID: AB_2939299

Details

Target Description	Contactin-associated protein-like 2 protein, or Caspr2, is a neuronal transmembrane member of the Neurexin family. Structural features of Caspr2 include epidermal growth factor repeats, laminin G domains, F5/8 type C domain, fibrinogen-like domains, and PDZ binding sites. Caspr2 is a cell adhesion molecule as well as a receptor. It is involved in mediating cell–cell interactions in the nervous system and involved in neural-glia interactions and clustering of potassium channels in myelinated axons. It is expressed at the juxaperanodal region of nodes of Ranvier in the CNS and PNS. Changes in expression have been associated with increased susceptibility to autism and epilepsy.
Specificity	No cross-reactivity against Caspr/paranodin
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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.