

Product Datasheet

Anti-CASK Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-000-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	K56A/50
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	Chicken, Human, Mouse, Rat, Xenopus, and Zebrafish
Immunogen	Fusion protein amino acids 318-415 of rat CASK/Lin2 (accession number Q62915) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-000-FL490, RRID: AB_2939060

Details

Target Description	Calcium/Calmodulin-Dependent Serine Protein Kinase or CASK scaffolding protein is encoded by the gene CASK. CASK is a member of the MAGUK (membrane-associated guanylate kinase) protein family. CASK is a calcium/calmodulin-dependent serine protein kinase. CASK is found in many different tissues including kidney, lung, liver and brain. In the brain, CASK protein is located at synapses. CASK acts as a multidomain scaffolding protein with a role in synaptic transmembrane protein anchoring and ion channel trafficking. Mutations in this gene are associated with FG syndrome 4, microcephaly with pontine and cerebellar hypoplasia, and a form of X-linked intellectual disability.
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.

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.

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