

Product Datasheet

Anti-ICK Antibody FL594 Conjugate



Overview

Catalog #	75-437-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N451/73
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	Mouse and Rat
Immunogen	Fusion protein amino acids 290-629 (C-terminus) of mouse ICK (accession number Q9JKV2) produced recombinantly in E. Coli
Molecular Weight	70 kDa
Cite this Antibody	Antibodies Inc Cat# 75-437-FL594, RRID: AB_2940458

Details

Target Description	Serine/threonine-protein kinase ICK is encoded by the gene Ick. Ick is a member of the protein kinase superfamily, CMGC Ser/Thr protein kinase family, CDC2/CDKX subfamily. Ick has an essential role in ciliogenesis. Ick is involved in the control of ciliary length by regulating the ciliary localization of SHH pathway components as well as the localization of IFT components at ciliary tips. Ick is highly expressed in the colon and lungs, with lower levels of expression in the heart, esophagus, stomach, small intestine, and ovaries. Diseases associated with Ick include endocrine-cerebroostedysplasia, juvenile myoclonic epilepsy 10, and juvenile myoclonic epilepsy 1.
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 IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

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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