

## Product Datasheet

## Anti-ICK Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-437-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N451/73
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 290-629 (C-terminus) of mouse ICK (accession number Q9JKV2) produced recombinantly in E. Coli
<b>Molecular Weight</b>	70 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-437-FL490, RRID: AB_2940456

## Details

<b>Target Description</b>	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-cerebroosteodysplasia, juvenile myoclonic epilepsy 10, and juvenile myoclonic epilepsy 1.
<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 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**

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