

## Product Datasheet

## Anti-KChIP3 K+ Channel Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-005-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	K66/38
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-256 (full length) of rat Calsenillin/DREAM/KChIP3 (accession number Q9JIM47) produced recombinantly in E. Coli
<b>Molecular Weight</b>	34 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-005-FL490, RRID: AB_2939080

## Details

<b>Target Description</b>	Kchip3 potassium channel, also known as Kv channel-interacting protein 3, Kcnip3, DREantagonist modulator and Dream is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin or neuronal calcium sensor (NCS) family branch of the EF-hand superfamily. Kchip3 is an integral subunit component of native Kv4 channel complexes that may regulate A-type currents and function as a calcium regulated transcriptional repressor. Kchip3 is detected in brain, specifically in the cortex, thalamus, dentate gyrus and cerebellum and can be found throughout the cell. It is also found in other tissues at low levels. Diseases associated with KCNIP3 include alzheimer disease.
<b>Specificity</b>	No cross-reactivity against rat KChIPs 1,2, 4
<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 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**

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