

## Product Datasheet

Anti-KChIP4 K<sup>+</sup> channel Antibody FL650 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-406-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N423/75
<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 1-233 (full-length) of human KChIP4 (accession number Q3YAB7) produced recombinantly in E. Coli.
<b>Molecular Weight</b>	30 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-406-FL650, RRID: AB_2940343

## Details

<b>Target Description</b>	Potassium voltage-gated channel interacting protein 4 is encoded by the gene KCNIP4. KCNIP4 is a member of the recoverin family. KCNIP4 is a regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. KCNIP4 modulates KCND2 channel density, inactivation kinetics, and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. KCNIP4 is expressed in brain and bone marrow. Diseases associated with KCNIP4 include Synovial Angioma and Childhood Malignant Schwannoma.
<b>Specificity</b>	Does not cross-react with KChIP1, KChIP2 or KChIP3
<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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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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