

## Product Datasheet

## Anti-TALK1 Potassium Channel Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-461-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N466/14
<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 42-94 (first extracellular loop) and 259-292 (cytoplasmic C-terminus) of mouse TALK1 (accession number G5E845) produced recombinantly in E. Coli
<b>Molecular Weight</b>	30-40 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-461-FL490, RRID: AB_2940536

## Details

<b>Target Description</b>	Potassium two pore domain channel subfamily K member 16 is encoded by the gene KCNK16. KCNK16 is a member of the two pore domain potassium channel (TC 1.A.1.8) family. KCNK16 is an open rectifier which primarily passes outward current under physiological K <sup>+</sup> concentrations. KCNK16 is expressed in the pancreas. Diseases associated with KCNK16 include Birk-Barel Syndrome and Maturity-Onset Diabetes of the Young.
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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