

## Product Datasheet

## Anti-FGF14/FHF4 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-096-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N56/21
<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, Non-Human Primate, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-252 (full-length) of mouse FGF14b (accession number O89096) produced recombinantly in E. Coli
<b>Molecular Weight</b>	28 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-096-FL490, RRID: AB_2939356

## Details

<b>Target Description</b>	Fibroblast growth factor 14, FHF4 or FGF14 is encoded by FGF14. FHF4 is a member of the fibroblast growth factor homologous factors family (a subfamily of fibroblast growth factors.). FHF4s have a role in regulation of voltage gated sodium channels (Nav channels) and are thought to be involved in nervous system development. FGF14 is found in both the hippocampus and the cerebellum localizes to the axon initial segment. Diseases associated with FGF14 include Spinocerebellar Ataxia and Autosomal Dominant Cerebellar Ataxia.
<b>Specificity</b>	Cross-reacts with FGF14a and FGF14b Does not cross-react with FGF11, FGF12 or FGF13
<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.

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