

## Product Datasheet

## Anti-FGF12/FHF1 Antibody FL490 Conjugate



## Overview

|                           |  |
|---------------------------|--|
| <b>Catalog #</b>          | 75-135-FL490   |
| <b>Conjugate</b>          | FL490 Ex: 491 nm, Em: 515 nm   |
| <b>Isotype</b>            | IgG1   |
| <b>Clone Number</b>       | N94/17   |
| <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 1-243 (full-length) of human FGF12a (accession number P61328) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | 27 kDa   |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-135-FL490, RRID: AB_2939500   |

## Details

|                              |   |
|------------------------------|---|
| <b>Target Description</b>    | Fibroblast growth factor 12, FHF1 or FGF12 is encoded by the gene FGF12. FHF1 is a member of the fibroblast growth factor homologous factors family (a subfamily of fibroblast growth factors.). FHF1s have a role in regulation of voltage gated sodium channels (Nav channels) and are thought to be involved in nervous system development. FGF12 has been found to be expressed in the brain, eye and testis. Diseases associated with FGF12 include Early Infantile Epileptic Encephalopathy, Ebstein anomaly and Autosomal Dominant Deafness. |
| <b>Specificity</b>           | Cross-reacts with FGF12b/FHF1b Does not cross-react with FGF11/FHF3, FGF13/FHF2 or FGF14/FHF4   |
| <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 on cells overexpressing target protein 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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