

Product Datasheet

Anti-FGF14/FHF4 Antibody FL594 Conjugate



Overview

Catalog #	75-096-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N56/21
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, Non-Human Primate, and Rat
Immunogen	Fusion protein amino acids 1-252 (full-length) of mouse FGF14b (accession number O89096) produced recombinantly in E. Coli
Molecular Weight	28 kDa
Cite this Antibody	Antibodies Inc Cat# 75-096-FL594, RRID: AB_2939358

Details

Target Description	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.
Specificity	Cross-reacts with FGF14a and FGF14b Does not cross-react with FGF11, FGF12 or FGF13
Purification Method	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.
Quality Control Tests	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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