

Product Datasheet

Anti-NCKX4 Antibody FL594 Conjugate



Overview

Catalog #	75-404-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2b
Clone Number	N414/25
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, Rat, and Zebrafish
Immunogen	Fusion protein amino acids 246-424 (third intracellular loop) of human NCKX4 isoform 3 (accession number Q8NFF2-3) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-404-FL594, RRID: AB_2940334

Details

Target Description	Sodium/potassium/calcium exchanger 4, Na(+)/K(+)/Ca(2+)-Exchange Protein 4 or NCKX4 is encoded by the gene SLC24A4. NCKX4 is a member of the potassium-dependent sodium/calcium exchanger protein family. NCKX4 is thought to play roles in olfactory function and in tooth enamel formation. It is expressed in the aorta, lung, thymus and brain, particularly enriched in neurons. Diseases associated with SLC24A4 include cause amelogenesis imperfecta.
Specificity	Does not cross-react with NCKX2 or NCKX3
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 western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	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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