

## Product Datasheet

## Anti-NCKX4 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-404-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N414/25
<b>Size</b>	200 $\mu$ L
<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, Rat, and Zebrafish
<b>Immunogen</b>	Fusion protein amino acids 246-424 (third intracellular loop) of human NCKX4 isoform 3 (accession number Q8NFF2-3) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-404-FL550, RRID: AB_2940333

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with NCKX2 or NCKX3
<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 western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
<b>Storage</b>	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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