

## Product Datasheet

Anti-Navbeta1 Na<sup>+</sup> Channel Antibody FL550 Conjugate

## Overview

<b>Catalog #</b>	75-425-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N405/74
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 14-160 (extracellular N-terminus) of rat Navbeta1 (accession number Q00954) produced recombinantly in E. Coli
<b>Molecular Weight</b>	24 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-425-FL550, RRID: AB_2940413

## Details

<b>Target Description</b>	Werner syndrome ATP-dependent helicase, WRN RecQ Like Helicase or DNA Helicase, RecQ-Like Type 3 is encoded by the gene WRN and is a member of the WRN RecQ Like Helicase family. WRN acts as a DNA helicase that is involved in DNA repair, replication, recombination and maintenance of DNA stability. WRN is a multifunctional enzyme with ATP dependent helicase activity, and is the only RecQ helicase member that has 3' to 5' exonuclease activity. WRN is expressed within the central nervous system and brain Diseases associated with this gene include Werner Syndrome and Medulloblastoma.
<b>Specificity</b>	Does not cross-react with Navbeta2, Navbeta3 or Navbeta4
<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.

**Our Guarantee**

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