

## Anti-NADH2/Mtnd2 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A32839-1-Fluoro550

### About Mtnd2

Mitochondrially encoded NADH dehydrogenase 2 is protein that in humans is encoded by the mitochondrial gene MT-ND2 gene. The ND2 protein is a subunit of NADH dehydrogenase (ubiquinone), which is located in the mitochondrial inner membrane and is the largest of the five complexes of the electron transport chain. Variants of MT-ND2 are associated with mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes (MELAS), Leigh's syndrome (LS), Leber's hereditary optic neuropathy (LHON) and increases in adult BMI.

### Overview

Product Name	Anti-NADH2/Mtnd2 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P11662

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat NADH2/Mtnd2, which shares 80% amino acid (aa) sequence identity with mouse NADH2/Mtnd2.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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