

## Anti-NDUFS1 Antibody (Monoclonal, 31N52)

Catalog Number: M04920-1

### About NDUFS1

The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene.

### Overview

Product Name	Anti-NDUFS1 Antibody (Monoclonal, 31N52)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-NDUFS1 Antibody (Monoclonal, 31N52) catalog # M04920-1. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IHC, WB
Clonality	Monoclonal 31N52
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28331

### Technical Details

Immunogen	Recombinant protein within human NDUFS1 aa 203-725.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-200

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