

NDUFS1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3264a**Specification**

NDUFS1 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P28331
Other Accession	NP_004997.4 , 4719 , 227197 (mouse) , 301458 (rat)
Reactivity	Human, Mouse
Predicted	Rat, Rabbit, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	79468

NDUFS1 Antibody (internal region) - Additional Information**Gene ID** 4719**Other Names**

NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial, 1.6.5.3, 1.6.99.3, Complex I-75kD, CI-75kD, NDUFS1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NDUFS1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFS1 Antibody (internal region) - Protein Information**Name** NDUFS1**Function**

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I)

which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:30879903, PubMed:31557978). Essential for catalysing the entry and efficient transfer of electrons within complex I (PubMed:31557978). Plays a key role in the assembly and stability of complex I and participates in the association of complex I with ubiquinol-cytochrome reductase complex (Complex III) to form supercomplexes (PubMed:30879903, PubMed:31557978).

Cellular Location

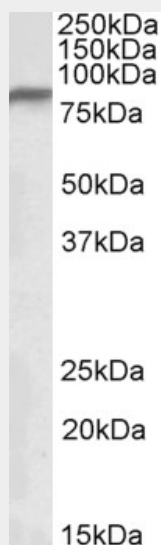
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P15690}; Matrix side {ECO:0000250|UniProtKB:P15690}

NDUFS1 Antibody (internal region) - Protocols

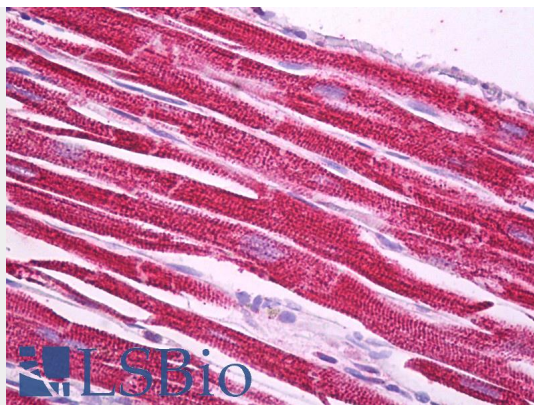
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDUFS1 Antibody (internal region) - Images



AF3264a (0.3 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



AF3264a (5 µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

NDUFS1 Antibody (internal region) - References

Association study between single-nucleotide polymorphisms in 199 drug-related genes and commonly measured quantitative traits of 752 healthy Japanese subjects. Saito A, Kawamoto M, Kamatani N, Journal of human genetics 2009 Jun 54 (6): 317-23. PMID: 19343046