

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

NDUFS1 Antibody (internal region) - Product Information

Application	WB, IHC
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

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](http://www.uniprot.org/citations/30879903), PubMed: [31557978](http://www.uniprot.org/citations/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

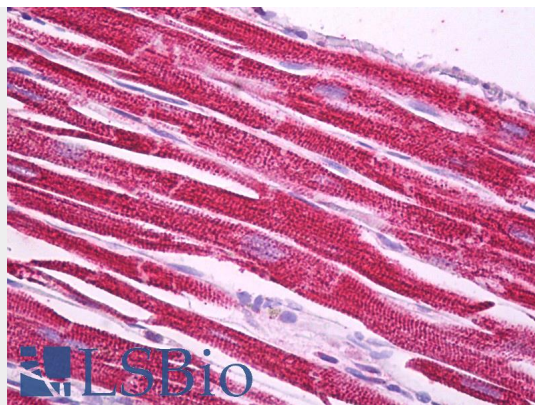
Provided below are standard protocols that you may find useful for product applications.

- [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 $\mu\text{g/ml}$) 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