

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

**Specification**

---

**NDUFS1 Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P28331</a>
Other Accession	<a href="#">NP_004997.4</a> , <a href="#">4719</a> , <a href="#">227197 (mouse)</a> , <a href="#">301458 (rat)</a>
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:<a href="http://www.uniprot.org/citations/31557978" target="\_blank">31557978</a>). 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:<a href="http://www.uniprot.org/citations/30879903" target="\_blank">30879903</a>, PubMed:<a href="http://www.uniprot.org/citations/31557978" target="\_blank">31557978</a>).

#### Cellular Location

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

#### NDUFS1 Antibody (internal region) - Protocols

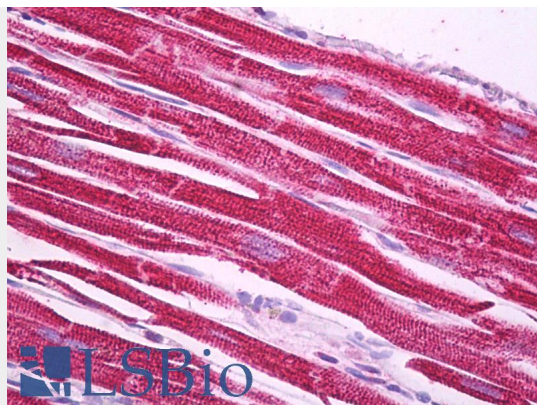
Provided below are standard protocols that you may find useful for product applications.

- [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