

KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody
Rabbit monoclonal Antibody
Catalog # AGI2211**Specification****KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	P28331
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 79 kDa, observed, 74 kDa
Gene Name	NDUFS1
Aliases	NDUFS1; NADH:Ubiquinone Oxidoreductase Core Subunit S1; NADH-Ubiquinone Oxidoreductase 75 kDa Subunit, Mitochondrial; CI-75k; NADH Dehydrogenase (Ubiquinone) Fe-S Protein 1, 75kDa (NADH-Coenzyme Q Reductase); Complex I 75kDa Subunit 2 3NADH Dehydrogenase (Ubiquinone) Fe-S Protein 1 (75kD) (NADH-Coenzyme Q Reductase); Mitochondrial NADH-Ubiquinone Oxidoreductase 75 kDa Subunit; Complex I, Mitochondrial Respiratory Chain, 75-KD Subunit; Complex I-75kD; EC 7.1.1.2; CI-75kD; PRO1304; CI-75kD; MC1DN5
Immunogen	A synthesized peptide derived from human Ndufs1

KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	4719
Other Names	
NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial, 7.1.1.2, Complex I-75kD, CI-75kD, NDUFS1	

KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody - 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](http://www.uniprot.org/citations/31557978))

target="_blank">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

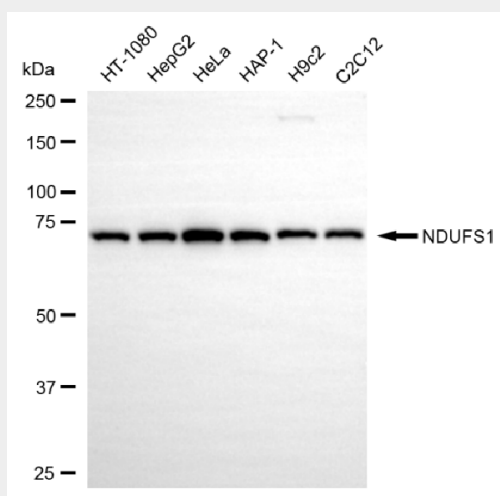
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P15690}; Matrix side {ECO:0000250|UniProtKB:P15690}

KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody - Protocols

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

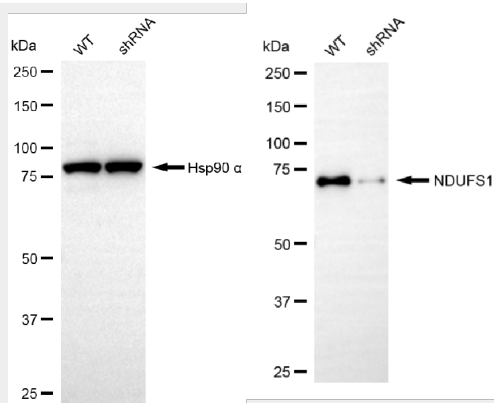
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-NDUFS1 Rabbit Monoclonal Antibody - Images



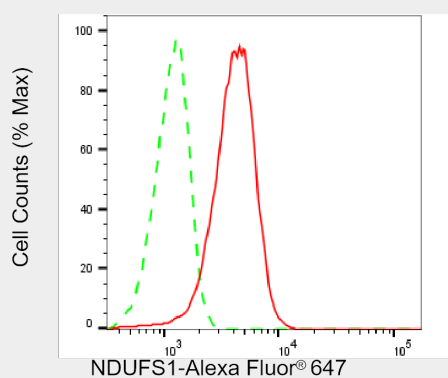
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Western blotting analysis using anti-NDUFS1 antibody (Cat#AGI2211). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUFS1 antibody (Cat#AGI2211, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Western blotting analysis using anti-NDUF51 antibody (Cat#AGI2211). NDUF51 expression in wild-type (WT) and NDUF51 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-NDUF51 antibody (Cat#AGI2211, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of NDUF51 expression in HepG2 cells using anti-NDUF51 antibody (Cat#AGI2211, 1:2,000). Green, isotype control; red, NDUF51.