

NDUFS1 rabbit monoclonal antibody

Catalog # H00004719-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NDUFS1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NDUFS1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human NDUFS1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol style="list-style-type: none"> Customer may provide cell or tissue lysate for antibody screening. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — NDUFS1

Entrez GeneID	4719
GeneBank Accession#	NDUFS1
Gene Name	NDUFS1
Gene Alias	CI-75Kd, MGC26839, PRO1304
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)
Omim ID	157655 252010
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa NADH-coenzyme Q reductase complex I, mitochondrial respiratory chain, 75-kD subunit

Pathway

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Disease

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