NDUFS2 rabbit monoclonal antibody

Catalog # H00004720-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NDUFS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NDUFS2 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 NDUFS2 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	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — NDUFS2

Entrez GeneID	4720
GeneBank Accession#	NDUFS2
Gene Name	NDUFS2
Gene Alias	-
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
Omim ID	252010 602985
Gene Ontology	Hyperlink
Gene Summary	Mitochondrial complex I (NADH-ubiquinone reductase; EC 1.6.5.3) is the first multimeric complex of the respiratory chain that catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mammalian mitochondrial complex I is an assembly o f at least 43 different subunits. Seven of the subunits are encoded by the mitochondrial genome; t he remainder are the products of nuclear genes. The iron-sulfur protein (IP) fraction of complex I is made up of 7 subunits, including NDUFS2. See NDUFS1 (MIM 157655).[supplied by OMIM
Other Designations	NADH dehydrogenase (ubiquinone) Fe-S protein 2|NADH-ubiquinone oxidoreductase Fe-S prote in 2|NADH-ubiquinone oxidoreductase NDUFS2 subunit|OTTHUMP00000032241

Pathway

- Metabolic pathways
- Oxidative phosphorylation

Disease

- Alzheimer disease
- Birth Weight
- Cardiovascular Diseases
- Cognition

- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Multiple Sclerosis
- Prostatic Neoplasms