NDUFS7 rabbit monoclonal antibody

Catalog # H00374291-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NDUFS7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NDUFS7 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 NDUFS7 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 — NDUFS7

Entrez GeneID	374291
GeneBank Accession#	NDUFS7
Gene Name	NDUFS7
Gene Alias	CI-20KD, FLJ45860, FLJ46880, MGC120002, MY017, PSST
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)
Omim ID	256000 601825
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide ade nine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of ele ctrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electr on acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial co mplex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic le sions in subcortical brain regions. [provided by RefSeq
Other Designations	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial|NADH-coenzyme Q reduct ase|NADH-ubiquinone oxidoreductase Fe-S protein 7|NADH:ubiquinone oxidoreductase PSST s ubunit|complex I, mitochondrial respiratory chain, 20-KD subunit|complex I-20

Pathway

- Metabolic pathways
- Oxidative phosphorylation

Disease

- Alzheimer disease
- Cognition