

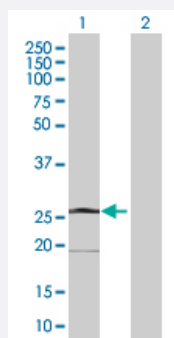
MaxPab®

NDUFS4 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004724-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NDUFS4 expression in transfected 293T cell line ([H00004724-T01](#)) by NDUFS4 MaxPab polyclonal antibody.

Lane 1: NDUFS4 transfected lysate(19.25 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human NDUFS4 protein.
Immunogen	NDUFS4 (NP_002486.1, 1 a.a. ~ 175 a.a) full-length human protein.
Sequence	MAAVSMSVVLRQTLWRRRAVAVAALSVSRVPTRSLRTSTWRLAQDQTQDTQLITVDEKLDITLT GVPEEHIKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTF STKEDAVSFAEKNGWSYDIEERKVPKPKSKSYGANFSWNKRTRVSTK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

Gene Info — NDUFS4

Entrez GeneID [4724](#)

GeneBank Accession# [NM_002495.1](#)

Protein Accession# [NP_002486.1](#)

Gene Name NDUFS4

Gene Alias AQDQ

Gene Description NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)

Omim ID [252010](#) [256000](#) [602694](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes. [provided by RefSeq]

Other Designations NADH dehydrogenase (ubiquinone) Fe-S protein 4|NADH dehydrogenase (ubiquinone) iron-sulfur protein 4|NADH-coenzyme Q reductase, 18-KD|NADH-ubiquinone oxidoreductase 18 kDa subunit|mitochondrial respiratory chain complex I (18-KD subunit)

Pathway

- [Metabolic pathways](#)

- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)