

DNAxPAb

Hard-to-Find
Antibody

NDUFS4 DNAxPab

Catalog # H00004724-W01P

Size 200 ug

Specification

| | |
|-------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against a partial-length human NDUFS4 DNA using DNAx™ Immune technology. |
| Technology | DNAx™ Immune |
| Immunogen | Extracellular membrane domain (ECD) human DNA |
| Host | Rabbit |
| Reactivity | Human |
| Purification | Protein A |
| 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

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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 | <p>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]</p> |
| 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](#)