

DNAxPAb

Hard-to-Find
Antibody

NDUFA5 DNAxPab

Catalog # H00004698-W01P Size 200 ug

Specification

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|-------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against a partial-length human NDUFA5 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 — NDUFA5

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|---------------------|--|
| Entrez GeneID | 4698 |
| GeneBank Accession# | NM_005000.2 |
| Protein Accession# | NP_004991.1 |
| Gene Name | NDUFA5 |
| Gene Alias | B13, CI-13KD-B, DKFZp781K1356, FLJ12147, NUFM, UQOR13 |
| Gene Description | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa |
| Omim ID | 601677 |
| Gene Ontology | Hyperlink |
| Gene Summary | <p>The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. The high degree of conservation of NDUFA5 extending to plants and fungi indicates its functional significance in the enzyme complex. The protein localizes to the inner mitochondrial membrane as part of the 7 component-containing, water soluble "iron-sulfur protein" (IP) fraction of complex I, although its specific role is unknown. It is assumed to undergo post-translational removal of the initiator methionine and N-acetylation of the next amino acid. The predicted secondary structure is primarily alpha helix, but the carboxy-terminal half of the protein has high potential to adopt a coiled-coil form. The amino-terminal part contains a putative beta sheet rich in hydrophobic amino acids that may serve as mitochondrial import signal. Related pseudogenes have also been identified on four other chromosomes. [provided by RefSeq]</p> |
| Other Designations | Complex I-13KD-B NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13) type I dehydrogenase ubiquinone reductase |

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)