

DNAxPAb

Hard-to-Find  
Antibody

## NDUFA1 DNAxPab

Catalog # H00004694-W01P      Size 200 ug

### Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human NDUFA1 DNA using DNAx™ Immune technology.
Technology	<a href="#">DNAx™ Immune</a>
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 — NDUFA1

Entrez GeneID	<a href="#">4694</a>
GeneBank Accession#	<a href="#">BC000266.1</a>
Protein Accession#	<a href="#">AAH00266.1</a>
Gene Name	NDUFA1
Gene Alias	CHMWFE, MWFE, ZNF183
Gene Description	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa
Omim ID	<a href="#">252010 300078</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The human NDUFA1 gene codes for an essential component of complex I of the respiratory chain , which transfers electrons from NADH to ubiquinone. It has been noted that the N-terminal hydrophobic domain has the potential to be folded into an alpha-helix spanning the inner mitochondrial membrane with a C-terminal hydrophilic domain interacting with globular subunits of complex I. The highly conserved two-domain structure suggests that this feature is critical for the protein function and might act as an anchor for the NADH:ubiquinone oxidoreductase complex at the inner mitochondrial membrane. However, the NDUFA1 peptide is one of about 31 components of the "hydrophobic protein" (HP) fraction of complex I which is involved in proton translocation. Thus the NDUF A1 peptide may also participate in that function. [provided by RefSeq</p>
Other Designations	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1 (7.5kD, MWFE) NADH oxidoreductase subunit MWFE NADH:ubiquinone oxidoreductase (complex 1) OTTHUMP00000023930 type I dehydrogenase

## Pathway

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