

**NDUFAF6 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57384****Specification****NDUFAF6 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q330K2</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NDUFAF6
Epitope Specificity	201-300/333
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Mitochondrion inner membrane. Note: Peripherally localized on the matrix face of the mitochondrial inner membrane. Ref.7 Isoform 2: Cytoplasm. Nucleus
SIMILARITY	Belongs to the NDUFAF6 family.
DISEASE	Mitochondrial complex I deficiency (MT-C1D) [MIM:252010]: A disorder of the mitochondrial respiratory chain that causes a wide range of clinical manifestations from lethal neonatal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease. Note: The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

This gene encodes a protein that localizes to mitochondria and contains a predicted phytoene synthase domain. The encoded protein plays an important role in the assembly of complex I (NADH-ubiquinone oxidoreductase) of the mitochondrial respiratory chain through regulation of subunit ND1 biogenesis. Mutations in this gene are associated with complex I enzymatic

deficiency. [provided by RefSeq, Nov 2011]

## **NDUFAF6 Polyclonal Antibody - Additional Information**

**Gene ID** 137682

### **Other Names**

NADH dehydrogenase (ubiquinone) complex I, assembly factor 6, Putative phytoene synthase, NDUFAF6, C8orf38

### **Dilution**

`<span class = "dilution_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution_IF">IF~~1:50~200</span><br \><span class = "dilution_ICC">ICC~~N/A</span><br \><span class = "dilution_E">E~~N/A</span>`

### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

### **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **NDUFAF6 Polyclonal Antibody - Protein Information**

**Name** NDUFAF6

**Synonyms** C8orf38

### **Function**

Involved in the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I) at early stages. May play a role in the biogenesis of complex I subunit MT-ND1.

### **Cellular Location**

[Isoform 1]: Mitochondrion inner membrane. Note=Peripherally localized on the matrix face of the mitochondrial inner membrane

### **Tissue Location**

Widely expressed. A lower expression is observed in lung and kidney compared to heart, muscle and liver (PubMed:27466185) In the kidney, expression is high in the basal zone of the proximal tubular cells (PubMed:27466185).

## **NDUFAF6 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **NDUFAF6 Polyclonal Antibody - Images**