10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFAF6 Rabbit pAb

NDUFAF6 Rabbit pAb
Catalog # AP57384

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q330K2
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38176
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NDUFAF6
Epitope Specificity	201-300/333
Isotype	IgG
Purity	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
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]

Additional Information

Gene ID	137682
Other Names	NADH dehydrogenase (ubiquinone) complex I, assembly factor 6, Putative phytoene synthase, NDUFAF6, C8orf38
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

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.

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).

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.