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NDUFA2 Rabbit pAb

Catalog # AP97500

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O43678
Other Accession	O43678
Predicted	Rat, Pig, Orangutan, Gorilla, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10922
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NDUFA2
Epitope Specificity	2-80/99
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Complex I is composed of 45 different subunits.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The encoded protein is a subunit of the hydrophobic protein fraction of the NADH:ubiquinone oxidoreductase (complex 1), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane, and may be involved in regulating complex I activity or its assembly via assistance in redox processes. Mutations in this gene are associated with Leigh syndrome, an early-onset progressive neurodegenerative disorder. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Additional Information

Gene ID	4695
Other Names	B8; CD14; CIB8; MC1DN13; C1-B8; CI-B8; NDUA2_MACFA; NDUFA2; Complex I-B8 (CI-B8); NADH-ubiquinone oxidoreductase B8 subunit; NDUA2_GORGO; NDUA2_HUMAN; NDUA2_MOUSE; NDUA2_PONAB; NADH:ubiquinone oxidoreductase subunit A2; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8); NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa; complex I B8 subunit
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	NDUFA2
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

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