

[KD]Ndufs1 Rabbit mAb

Catalog # AP76608

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	P28331
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	79468

Additional Information

Gene ID	4719
Other Names	NDUFS1
Dilution	WB~~1:1000 IHC-P~~N/A IHC-F~~N/A FC~~1:10~50 IP~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	NDUFS1
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed: 30879903 , PubMed: 31557978). Essential for catalysing the entry and efficient transfer of electrons within complex I (PubMed: 31557978). Plays a key role in the assembly and stability of complex I and participates in the association of complex I with ubiquinol-cytochrome reductase complex (Complex III) to form supercomplexes (PubMed: 30879903 , PubMed: 31557978).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250 UniProtKB:P15690}; Matrix side {ECO:0000250 UniProtKB:P15690}

Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain.

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