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NDUFS3 Antibody

Rabbit mAb
Catalog # AP91498

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	O75489
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CI 30KD; Complex I 30KD; COMPLEX I, MITOCHONDRIAL RESPIRATORY CHAIN, 30-KD SUBUNIT; Complex I-30kD; mitochondrial; NADH coenzyme Q reductase; NDUFS3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	30242

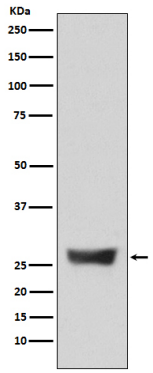
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NDUFS3
Description	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. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	NDUFS3
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:14729820, PubMed:30140060). Essential for the catalytic activity and assembly of complex I (PubMed:14729820, PubMed:24028823, PubMed:30140060).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Images



Western blot analysis of NDUFS3 expression in 293T cell lysate.