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Recombinant Anti-NDUFB8 Rabbit mAb

Catalog # AP95198

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	O95169
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Monoclonal
Calculated MW	21766

Additional Information

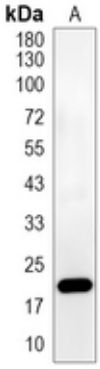
Gene ID	4714
Other Names	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial; Complex I-ASHI; CI-ASHI; NADH-ubiquinone oxidoreductase ASHI subunit
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human NDUFB8 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

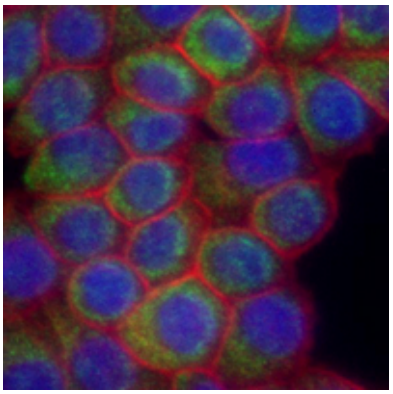
Name	NDUFB8
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

Images

Western blot analysis of NDUFB8 expression in HeLa (A) whole cell lysates. (Predicted band size: 22 kD; Observed



band size: 19 kD)



Immunofluorescent analysis of NDUFB8 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).