

Rabbit NDUFA9 Polyclonal Antibody | anti-NDUFA9 antibody

NDUFA9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324869	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

NDUFA9; Polyclonal Antibody; NDUFA9 Antibody; CI-39kD; Complex I subunit NDUFA9; Complex I-39kD; mitochondrial; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9 mitochondrial; NADH Ubiquinone Oxidoreductase 1 alpha subcomplex 9; NADH-ubiquinone oxidoreductase 39 kDa subunit; NDUA9_HUMAN; anti-NDUFA9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NDUFA9 antibody detects endogenous levels of total NDUFA9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	377
Applicable Applications for anti-NDUFA9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324869 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using NDUFA9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA9 antibody	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. Subunit Structure: Complex I is composed of 45 different subunits. This is a component of the hydrophobic protein fraction (PubMed:12611891, PubMed:27626371). Interacts with BLOC1S1 (PubMed:22309213). Interacts with SLC2A4 (By similarity). Interacts with CLOCK (PubMed:28985504). Post-translational Modifications: Acetylated on lysine residues. BLOC1S1 is required for acetylation (PubMed:22309213). Acetylated by CLOCK in a circadian manner (PubMed:28985504). Similarity: Belongs to the complex I NDUFA9 subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6681764
NCBI GeneID	4704
NCBI Accession #	NP_004993.1
NCBI GenBank Nucleotide #	NM_005002.4
UniProt Accession #	Q16795; Q14076; Q2NKX0
Molecular Weight	Observed: 40 kD Predicted: 43 kDa
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit A9
NCBI Official Symbol	NDUFA9
NCBI Official Synonym Symbols	CC6; CI39k; CI-39k; NDUFS2L; SDR22E1
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial
UniProt Gene Name	NDUFA9
UniProt Synonym Gene Names	NDUFS2L; CI-39kD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndufa9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324869>