

Rabbit anti-Human, Mouse NDUFA8 Polyclonal Antibody | anti-NDUFA8 antibody

NDUFA8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324868	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDUFA8; Polyclonal Antibody; NDUFA8 Antibody; CI 19KD; CI PGIV; CI-19kD; CI-PGIV; Complex I 19k; Complex I 19kD; Complex I PGIV; Complex I PGIV subunit; Complex I-19kD; Complex I-PGIV; MGC793; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 8 (19kD PGIV); NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 8 19kDa; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 8; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8; NADH ubiquinone oxidoreductase 19 kDa subunit; NADH ubiquinone oxidoreductase PGIV subunit; NADH-ubiquinone oxidoreductase 19 kDa subunit; NDUFA8_HUMAN; NDUFA 8; OTTHUMP00000022034; PGIV; anti-NDUFA8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NDUFA8 antibody detects endogenous levels of total NDUFA8
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	172
Applicable Applications for anti-NDUFA8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion. Mitochondrion Intermembrane Space.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from MCF-7 cells using NDUFA8 antibody.



IF (Immunofluorescence)
AAA324868 staining HuvEc 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.



IHC (Immunohistochemistry)
AAA324868 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA8 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. Post-translational Modifications: May contain intrachain disulfide bonds, as evidenced by its electrophoretic mobility under reducing vs non-reducing conditions. Similarity: Contains four C-X9-C motifs that are predicted to form a helix-coil-helix structure, permitting the formation of intramolecular disulfide bonds. Belongs to the complex I NDUFA8 subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657369
NCBI GeneID	4702
NCBI Accession #	NP_055037.1
NCBI GenBank Nucleotide #	NM_014222.2
UniProt Accession #	P51970; Q9Y6N0; B1AM93
Molecular Weight	Observed: 22 kD Predicted: 21 kDa
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit A8
NCBI Official Symbol	NDUFA8
NCBI Official Synonym Symbols	PGIV; CI-19KD; CI-PGIV
NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8
UniProt Gene Name	NDUFA8
UniProt Synonym Gene Names	CI-19kD; CI-PGIV

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/ndufa8-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324868>