Rabbit NDUFA4 Polyclonal Antibody | anti-NDUFA4 antibody

NDUFA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321933	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

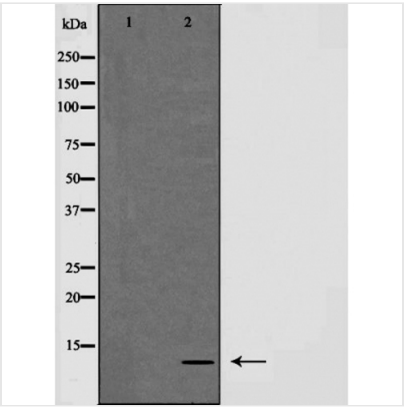
PRODUCT SYNONYMS

NDUFA4; Polyclonal Antibody; NDUFA4 Antibody; CI 9k; CI-MLRQ; Complex I 9kDa subunit; Complex I-MLRQ; MLRQ; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4 9kD; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4; NADH-ubiquinone oxidoreductase MLRQ subunit; NDUA4_HUMAN; anti-NDUFA4 antibody

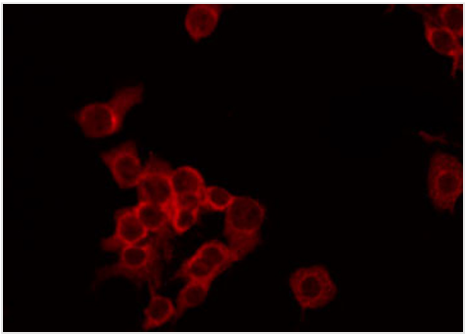
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NDUFA4 antibody detects endogenous levels of total NDUFA4
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	81
Applicable Applications for anti-NDUFA4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDUFA4
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Horse, Sheep, Chicken**
Similarity	Pig (91%), Zebrafish (82%), Bovine (91%), Horse (91%), Sheep (91%), Chicken (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 NDUFA4 expression in HepG2 cells, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA321933 staining HepG2 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.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA4 antibody	Description: Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not 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. Function: Cytochrome c oxidase (COX, complex IV) is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. Required for complex IV maintenance. Subunit Structure: Component of the cytochrome c oxidase complex (COX, complex IV). Similarity: Belongs to the complex IV NDUFA4 subunit family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505357
NCBI GeneID	4697
NCBI Accession #	NP_002480.1
NCBI GenBank Nucleotide #	NM_002489.3
UniProt Accession #	O00483; Q6FHN5; A4D109
Molecular Weight	Observed: 9 kDa Predicted: 10 kDa
NCBI Official Full Name	cytochrome c oxidase subunit NDUFA4
NCBI Official Synonym Full Names	NDUFA4, mitochondrial complex associated
NCBI Official Symbol	NDUFA4
NCBI Official Synonym Symbols	MLRQ; CI-9k; COXFA4; CI-MLRQ
NCBI Protein Information	cytochrome c oxidase subunit NDUFA4
UniProt Protein Name	Cytochrome c oxidase subunit NDUFA4
UniProt Gene Name	**NDUFA4**
UniProt Synonym Gene Names	CI-MLRQ

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/ndufa4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321933