

Rabbit anti-Human NDUFA4 Polyclonal Antibody | anti-NDUFA4 antibody

Anti-NDUFA4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104753	Rabbit	Human	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

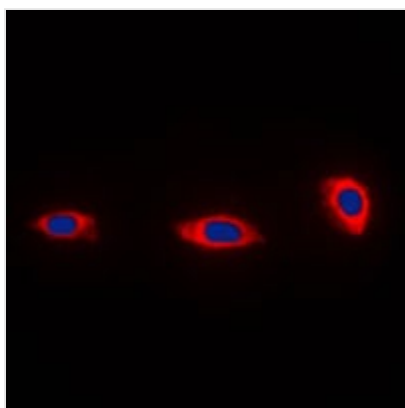
PRODUCT SYNONYMS

NDUFA4; Polyclonal Antibody; Anti-NDUFA4 Antibody; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4; Complex I-MLRQ; CI-MLRQ; NADH-ubiquinone oxidoreductase MLRQ subunit; anti-NDUFA4 antibody

PRODUCT SPECIFICATIONS

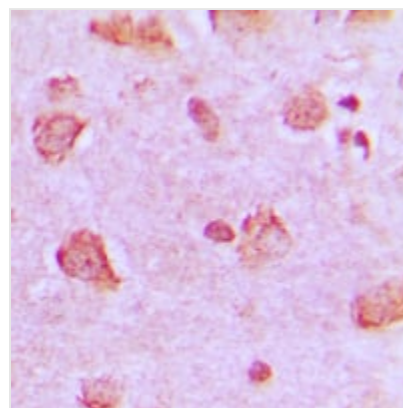
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of NDUFA4 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	81
Applicable Applications for anti-NDUFA4 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NDUFA4. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



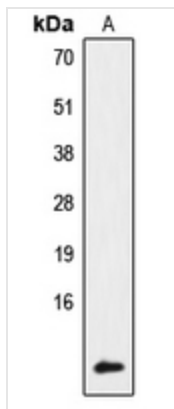
IF (Immunofluorescence)

Immunofluorescent analysis of NDUFA4 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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of NDUFA4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of NDUFA4 expression in HeLa (A) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA4 antibody	Rabbit polyclonal antibody to NDUFA4
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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	9,370 Da
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; CI-MLRQ
NCBI Protein Information	cytochrome c oxidase subunit NDUFA4; complex I-MLRQ; Complex I 9kDa subunit; NADH-ubiquinone oxidoreductase MLRQ subunit; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4
UniProt Protein Name	Cytochrome c oxidase subunit NDUFA4
UniProt Gene Name	NDUFA4
UniProt Synonym Gene Names	CI-MLRQ
UniProt Entry Name	NDUA4_HUMAN

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.