

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

NDUFA4 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28436	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

NDUFA4; Polyclonal Antibody; NDUFA4 Rabbit pAb; CI-9k; CI-MLRQ; MLRQ; cytochrome c oxidase subunit NDUFA4; anti-NDUFA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	TPAINTPVHF QSPPPVPGEV LKVQSYLENP TSYHLQQSQH QKVREYLSET YGNKFAAHIS PAQGSPKPPP AASPGVRAGH VLSSSAGNSA PNSPMAMLHI GSNPERELDD VIDNIMRLDD VLGY
Applicable Applications for anti-NDUFA4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-81 of human NDUFA4 (NP_002480.1).
Cellular Location	Matrix side, Mitochondrion inner membrane, Peripheral membrane protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



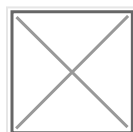
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using NDUFA4 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



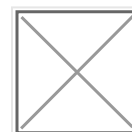
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using NDUFA4 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using NDUFA4 Rabbit pAb at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using NDUFA4 Rabbit pAb at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver using NDUFA4 Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using NDUFA4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA4 antibody	The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Product Categories/Family for anti-NDUFA4 antibody	Signal Transduction ; Endocrine & Metabolism ; Mitochondrial metabolism ; Oxidative phosphorylation ; Neuroscience ; Neurodegenerative Diseases ; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226865
NCBI GeneID	6472
UniProt Accession #	P34897 ; O00740 ; Q8N1A5 ; B7Z9F1 ; E7EQ19 ; E7EU43
Molecular Weight	504
NCBI Official Full Name	Serine hydroxymethyltransferase, mitochondrial
NCBI Official Synonym Full Names	serine hydroxymethyltransferase 2 (mitochondrial)
NCBI Official Symbol	SHMT2
NCBI Official Synonym Symbols	GLYA; SHMT; HEL-S-51e
NCBI Protein Information	serine hydroxymethyltransferase, mitochondrial; GLY A+; serine aldolase; serine methylase; threonine aldolase; serine hydroxymethylase; glycine hydroxymethyltransferase; epididymis secretory sperm binding protein Li 51e; glycine auxotroph A, human complex
UniProt Protein Name	Serine hydroxymethyltransferase, mitochondrial
UniProt Gene Name	SHMT2
UniProt Synonym Gene Names	SHMT
UniProt Entry Name	GLYM_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndufa4-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28436>