

Rabbit NDUFS4 Monoclonal Antibody | anti-NDUFS4 antibody

NDUFS4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312691	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

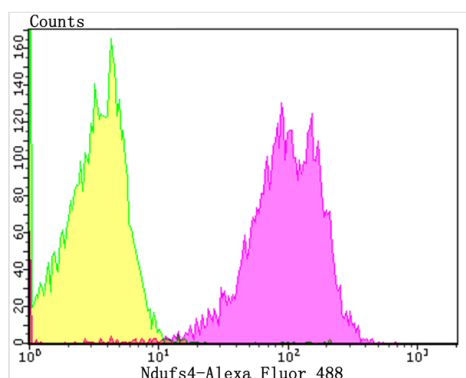
PRODUCT SYNONYMS

NDUFS4; Monoclonal Antibody; NDUFS4 Antibody; AQDQ antibody; CI 18 antibody; CI 18 kDa antibody; CI AQDQ antibody; CI-18 kDa antibody; CI-AQDQ antibody; Complex I 18 kDa antibody; Complex I AQDQ antibody; Complex I-18 kDa antibody; Complex I-AQDQ antibody; mitochondrial antibody; mitochondrial respiratory chain complex I (18 KD subunit) antibody; NADH coenzyme Q reductase antibody; NADH dehydrogenase (ubiquinone) Fe S protein 4 18kDa antibody; NADH dehydrogenase [ubiquinone] iron-sulfur protein 4 antibody; NADH dehydrogenase antibody; NADH ubiquinone oxidoreductase 18 kDa subunit antibody; NADH-ubiquinone oxidoreductase 18 kDa subunit antibody; NDUFS4 antibody; NDUS4_HUMAN antibody; anti-NDUFS4 antibody

PRODUCT SPECIFICATIONS

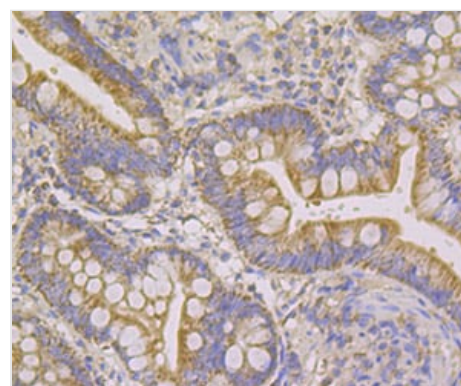
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JE40-47
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-NDUFS4 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein within human Ndufs4 aa 43-175.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



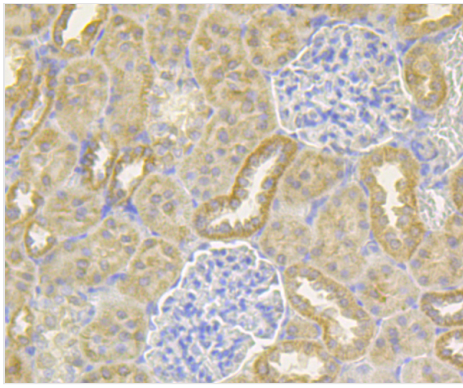
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with Ndufs4 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



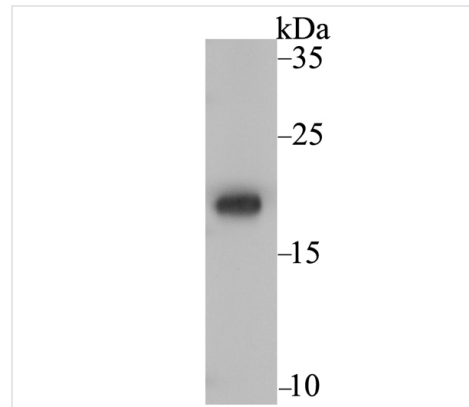
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-Ndufs4 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-Ndufs4 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Ndufs4 on rat heart tissue lysate using anti-Ndufs4 antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS4 antibody	Complex 1 (also known as NADH dehydrogenase) of the electron transport chain (respiratory chain) is an enzymatic complex that catalyzes the transfer of electrons from NADH to ubiquinone. Free energy from the reaction is conserved in the transfer of protons into the intermembrane space to create an electrochemical proton gradient, a driving force for ATP synthesis. Complex 1 is a complicated, multi-protein, L-shaped complex composed of at least 45 different subunits and located in the mitochondrial inner membrane. NDUFS4 (NADH dehydrogenase (ubiquinone) Fe-S protein 4), also known as AQDQ or CI-18 (Complex I-18kDa protein), belongs to the Complex I NDUFS4 subunit family. NDUFS4 localizes to the matrix side of the inner membrane of the mitochondrion and functions as an accessory subunit of Complex I. Mutations in the gene encoding NDUFS4 can result in Complex I mitochondrial respiratory chain deficiency. Patients with this deficiency may exhibit cardiomyopathy, myopathy, liver failure and neurological disorders.
Product Categories/Family for anti-NDUFS4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505369
NCBI GeneID	4724
NCBI Accession #	NP_002486.1
NCBI GenBank Nucleotide #	NM_002495.2
UniProt Accession #	O43181; Q9BS69
Molecular Weight	20,108 Da
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)
NCBI Official Symbol	NDUFS4
NCBI Official Synonym Symbols	AQDQ; CI-18
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial; NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial; CI-18 kDa; CI-AQDQ; NADH dehydrogenase (ubiquinone) iron-sulfur protein 4; NADH-coenzyme Q reductase, 18-KD; NADH-u
UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial
UniProt Gene Name	NDUFS4
UniProt Synonym Gene Names	CI-18 kDa; CI-AQDQ

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/monoclonal/ndufs4-antibody-clone-je40-47-immunoprecipitation-flow-cytometry-immunohistochemistry-western-blot-elisa/312691>