

NDUFS4 recombinant antibody

NDUFS4 Recombinant Monoclonal Antibody

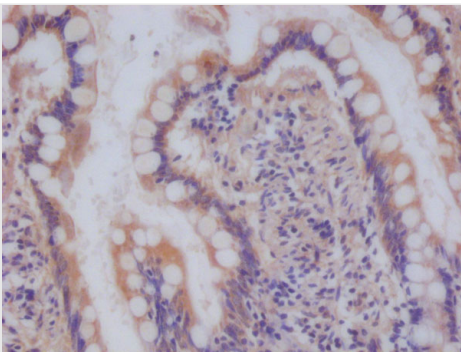
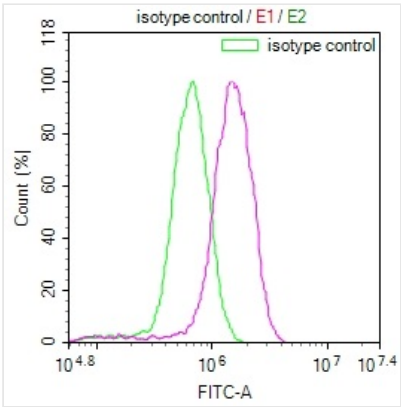
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278984	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

NDUFS4; Monoclonal Recombinant Antibody; NDUFS4 Recombinant Monoclonal Antibody; NADH dehydrogenase [ubiquinone] iron-sulfur protein 4; mitochondrial (Complex I-18 kDa)(CI-18 kDa)(Complex I-AQDQ)(CI-AQDQ)(NADH-ubiquinone oxidoreductase 18 kDa subunit); NDUFS4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	9H1
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for NDUFS4 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human NDUFS4
Conjugation	Non-conjugated
Research Area	Neuroscience; Cancer; Metabolism; Signal transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



IHC (Immunohistochemistry)
IHC image of AAA278984 diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

FCM/FACS (Flow Cytometry)
Overlay Peak curve showing MCF7 cells stained with AAA278984 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4°. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°. Control antibody (green line) was rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for NDUFS4 recombinant antibody	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. {ECO:0000269 PubMed:11181577, ECO:0000269 PubMed:12611891, ECO:0000269 PubMed:9463323}.
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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
UniProt Entry Name	NDUS4_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/monoclonal/ndufs4-recombinant-antibody-clone-9h1-flow-cytometry-immunohistochemistry-elisa/278984>