

Rabbit anti-Human NDUFS4 Polyclonal Antibody | anti-NDUFS4 antibody

NDUFS4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288705	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

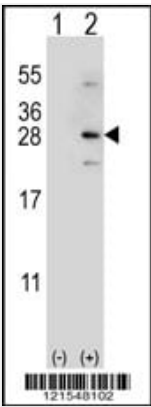
PRODUCT SYNONYMS

NDUFS4; Polyclonal Antibody; NDUFS4 Antibody (C-term); 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; anti-NDUFS4 antibody

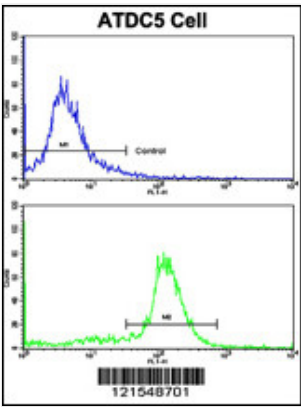
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NDUFS4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-160 amino acids from the C-terminal region of human NDUFS4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	131-160
Sequence Length	175
Applicable Applications for anti-NDUFS4 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

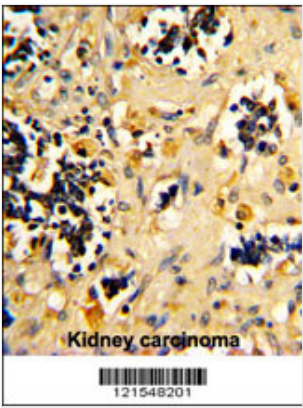
IMAGES



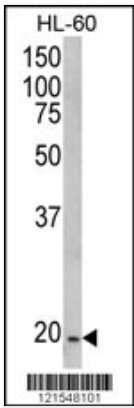
WB (Western Blot)
Western blot analysis of NDUFS4 (arrow) using rabbit polyclonal NDUFS4 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NDUFS4 gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of ATDC5 cells using NDUFS4 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human kidney carcinoma reacted with NDUFS4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of NDUFS4 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). NDUFS4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS4 antibody	NDUFS4 is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase(Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane.
Product Categories/Family for anti-NDUFS4 antibody	Cancer; Metabolism; Neuroscience; Signal transduction
References	Panelli,D., et.al., Biochimie 90 (10), 1452-1460 (2008)

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	20108
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
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/polyclonal/ndufs4-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/288705>