

Mouse anti-Human NDUFS4 Monoclonal Antibody | anti-NDUFS4 antibody

NDUFS4 (NADH Dehydrogenase (Ubiquinone) Fe-S Protein 4, Mitochondrial, NADH-Ubiquinone Oxidoreductase 18kD Subunit, Complex I-18kD, CI-18kD, Complex I-AQDQ, CI-AQDQ) (Biotin)

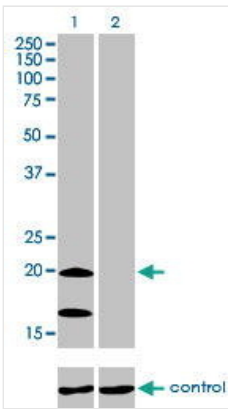
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24876	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDUFS4; Monoclonal Antibody; NDUFS4 (NADH Dehydrogenase (Ubiquinone) Fe-S Protein 4; Mitochondrial; NADH-Ubiquinone Oxidoreductase 18kD Subunit; Complex I-18kD; CI-18kD; Complex I-AQDQ; CI-AQDQ) (Biotin); anti-NDUFS4 antibody

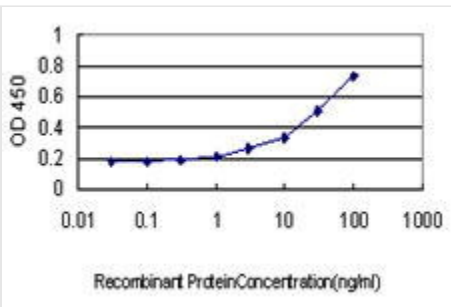
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1A1
Specificity	Recognizes human NDUFS4.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-NDUFS4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 1ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa66-175 from human NDUFS4 (NP_002486) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GVPEEHKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFAEKNQWSYDIEERKVPKPKSKSYGAN
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in as little as 100ul. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



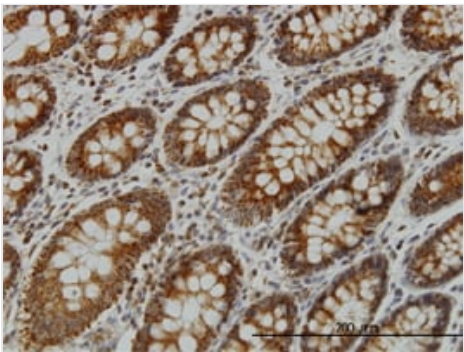
WB (Western Blot)

Western blot analysis of NDUF54 over-expressed 293 cell line, cotransfected with NDUF54 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with NDUF54 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



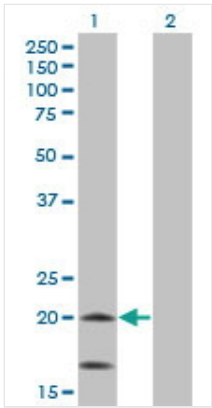
Application Data

Detection limit for recombinant GST tagged NDUF54 is ~0.3ng/ml as a capture antibody.



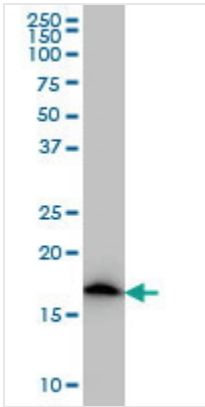
IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to NDUF54 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1ug/ml]



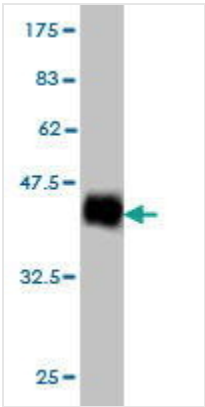
WB (Western Blot)

Western Blot analysis of NDUF54 expression in transfected 293T cell line by NDUF54 monoclonal antibody. Lane 1: NDUF54 transfected lysate (20.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)

NDUF54 monoclonal antibody Western Blot analysis of NDUF54 expression in A-431.



WB (Western Blot)

Western Blot detection against Immunogen (37.84kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-NDUF54 antibody	Antibodies; Enzymes; Dehydrogenase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505369
NCBI GeneID	4724
NCBI Accession #	NP_002486
NCBI GenBank Nucleotide #	NM_002495
UniProt Accession #	O43181; Q9BS69
Molecular Weight	15.5 kDa (134aa), confirmed by MALDI-TOF.
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit S4
NCBI Official Symbol	NDUFS4
NCBI Official Synonym Symbols	AQDQ; CI-18; CI-AQDQ; CI-18 kDa
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/monoclonal/ndufs4-antibody-clone-1a1-immunohistochemistry-western-blot-elisa/24876>