

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) (PE)

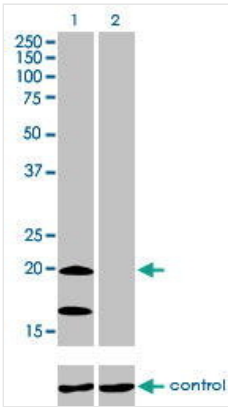
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25763	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

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) (PE); anti-NDUFS4 antibody

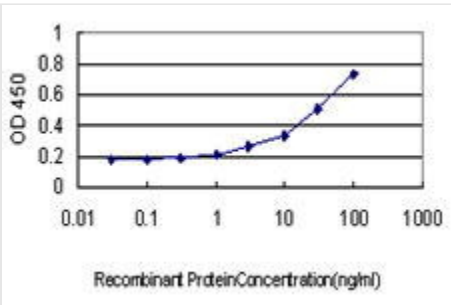
PRODUCT SPECIFICATIONS

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 R-Phycoerythrin (PE).
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	GVPEEHKTRKVRIFVPARNNMQSGVNNTKKWKMEFDTRERWENPLMGWASTADPLSNMVLTFSTKEDAVSFAEKNGWSYDIEERKVPKPKSKSYGAN
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount for immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge prior to removing the cap.



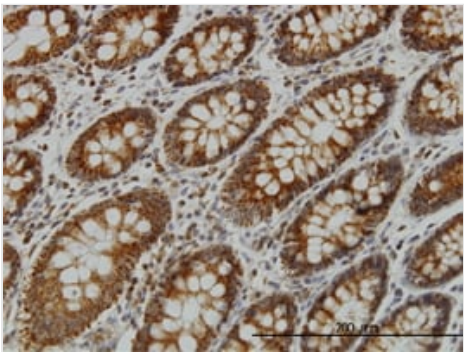
WB (Western Blot)

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.



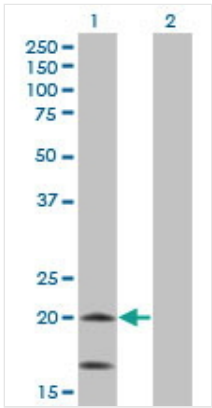
Application Data

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



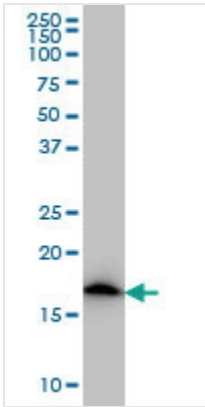
IHC (Immunohistochemistry)

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



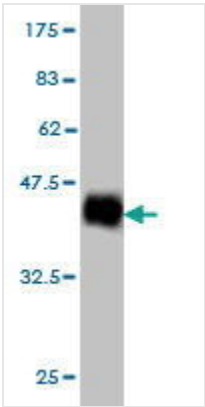
WB (Western Blot)

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/25763>