

Rabbit NDUFS1 Polyclonal Antibody | anti-NDUFS1 antibody

NDUFS1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200632	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

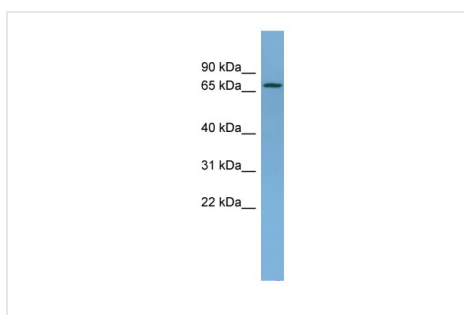
PRODUCT SYNONYMS

NDUFS1; Polyclonal Antibody; NDUFS1 antibody - middle region; anti-NDUFS1 antibody

PRODUCT SPECIFICATIONS

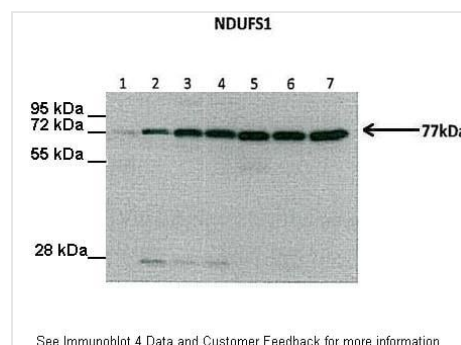
Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: TP PGLAREDWKI IRALSEIAGM TLPYDTLDQV RNRLEEVSPN LVRYDDIE
Sequence Length	727
Applicable Applications for anti-NDUFS1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NDUFS1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-NDUFS1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Fetal Liver



WB (Western Blot)

Lanes: Lane1: 30 ug Human liver
Lane2: 30 ug Rat liver
Lane3: 30 ug Mouse (wild-type) liver
Lane4: 30 ug Mouse [AMPK alpha 1/2(-/-)] liver
Lane5: 30 ug Human muscle
Lane6: 30 ug Rat muscle
Lane7: 30 ug Mouse muscle
Primary Antibody Dilution: 1:1000
Secondary Antibody Dilution: 1:10000
Gene Name: NDUFS1
Submitted by: Dr. Bruno Guigas, PhD, Dept. of Molecular Cell Biology, Leiden University Medical Center



WB (Western Blot)
Human nuclear lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS1 antibody	This is a rabbit polyclonal antibody against NDUFS1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency.
Product Categories/Family for anti-NDUFS1 antibody	Polyclonal; Drugs and Drug Metabolism; Mitochondria; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	33519475
NCBI GeneID	4719
NCBI Accession #	NP_004997
NCBI GenBank Nucleotide #	NM_005006
UniProt Accession #	P28331
Molecular Weight	77kDa
NCBI Official Full Name	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial isoform 1
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase core subunit S1
NCBI Official Symbol	NDUFS1
NCBI Official Synonym Symbols	CI-75k; MC1DN5; CI-75Kd; PRO1304
NCBI Protein Information	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial
UniProt Protein Name	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial
UniProt Gene Name	NDUFS1
UniProt Synonym Gene Names	CI-75kD
UniProt Entry Name	NDUS1_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/ndufs1-antibody-western-blot-elisa/200632>