

Rabbit anti-Human, Rat NDUFS5 Polyclonal Antibody | anti-NDUFS5 antibody

NDUFS5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322564	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

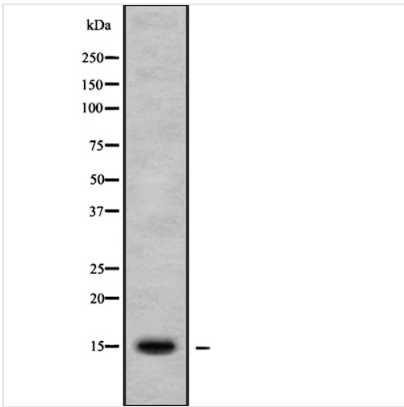
PRODUCT SYNONYMS

NDUFS5; Polyclonal Antibody; NDUFS5 Antibody; CI 15k; CI-15 kDa; CI15K; Complex I-15 kDa; NADH dehydrogenase (ubiquinone) Fe S protein 5; 15kDa (NADH coenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 5; NADH-ubiquinone oxidoreductase 15 kDa subunit; NADH:ubiquinone oxidoreductase 15 kDa IP subunit; NDUS5_HUMAN; anti-NDUFS5 antibody

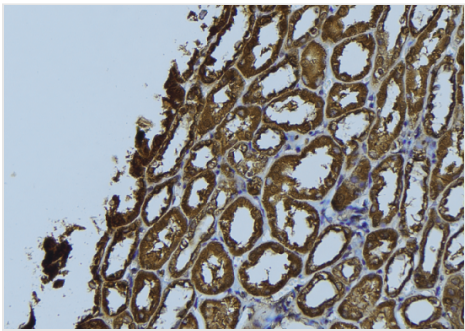
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NDUFS5 antibody detects endogenous levels of total NDUFS5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	106
Applicable Applications for anti-NDUFS5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDUFS5
Subcellular Location	Mitochondrion. Mitochondrion Inner Membrane. Mitochondrion Intermembrane Space.
Predicted Cross Reactivity	Pig, Zebrafish, Rabbit
Similarity	Pig (90%), Zebrafish (92%), Rabbit (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis NDUFS5 using K562 whole cell lysates



IHC (Immunohistochemistry)
AAA322564 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS5 antibody	Function: 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. Subunit Structure: Mammalian complex I is composed of 45 different subunits. This is a component of the iron-sulfur (IP) fragment of the enzyme. Similarity: Contains two C-X9-C motifs that are predicted to form a helix-coil-helix structure, permitting the formation of intramolecular disulfide bonds. Belongs to the complex I NDUFS5 subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	297206823
NCBI GeneID	4725
NCBI Accession #	NP_001171908.1
NCBI GenBank Nucleotide #	NM_001184979.1
UniProt Accession #	O43920
Molecular Weight	Observed: 15 kDa Predicted: 13 kDa
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit S5
NCBI Official Symbol	NDUFS5
NCBI Official Synonym Symbols	CI15K; CI-15k
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5
UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5
UniProt Gene Name	NDUFS5
UniProt Synonym Gene Names	CI-15 kDa

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.