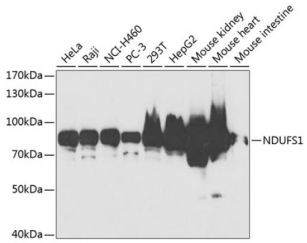
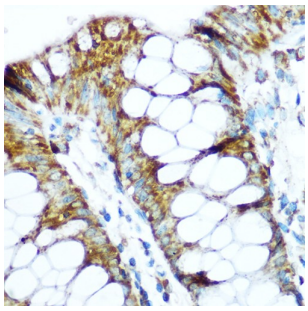
NADH Ubiquinone Oxidoreductase Core Subunit S1 (NDUFS1) Antibody

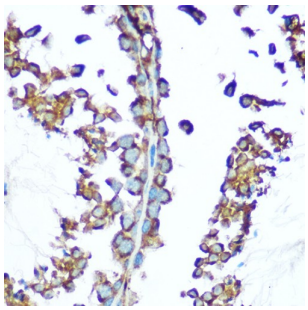
Catalogue No.:abx002026



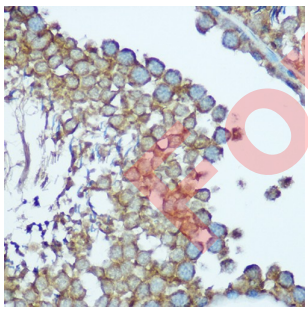
Western blot analysis of various lysates using NDUFS1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human colon using NDUFS1 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using NDUFS1 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis using NDUFS1 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

NDUFS1 Antibody is a Rabbit Polyclonal antibody against NDUFS1. 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. Several transcript variants encoding different isoforms have been found for this gene.

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Target:	NADH Ubiquinone Oxidoreductase Core Subunit S1 (NDUFS1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 80-290 of human NDUFS1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P28331 (UniProt, ExPASy)
Gene Symbol:	NDUFS1
GeneID:	4719
NCBI Accession:	NP_004997.4
KEGG:	hsa:4719
String:	9606.ENSP00000392709
Molecular Weight:	Calculated MW: 79 kDa Observed MW: 79 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml

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