

Datasheet for ABIN7268819
anti-NDUFS1 antibody (AA 80-290)

5 Images

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Overview

Quantity:	100 µL
Target:	NDUFS1
Binding Specificity:	AA 80-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	NDUFS1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 80-290 of human NDUFS1 (NP_004997.4).
Sequence:	VEIEKAPKV V AACAMPVMKG WNILTNSEKS KKAREGVMEF LLANHPLDCP ICDQGGECDL QDQSMFMGND RSRFLEGKRA VEDKNIGPLV KTIMTRCIQC TRCIRFASEI AGVDDLGTG RGNDMQVGTY IEKMFMSELS GNIIDICPVG ALTSKPYAFT ARPWETRKTE SIDVMDAVGS NIVVSTRTGE VMRILPRMHE DINEEWISDK T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: NDUFS1

Alternative Name: NDUFS1 ([NDUFS1 Products](#))

Background: 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.,NDUFS1,CI-75Kd,CI-75k,PRO1304,Cancer,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Oxidative phosphorylation,Neuroscience,Neurodegenerative Diseases,NDUFS1

Molecular Weight: 67kDa/73kDa/75kDa/79kDa/80kDa

Gene ID: 4719

UniProt: [P28331](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

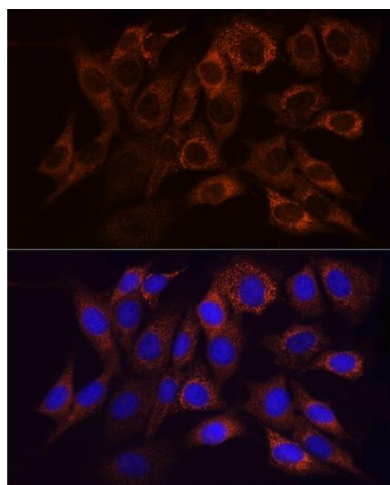
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

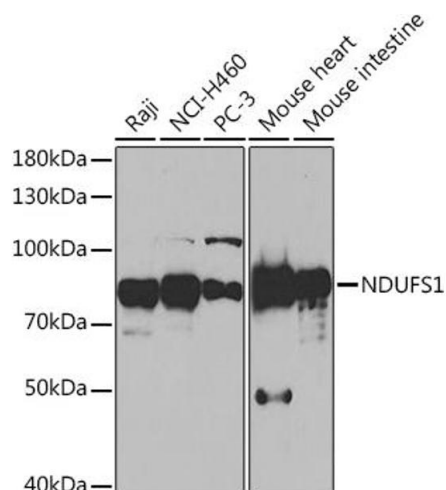
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



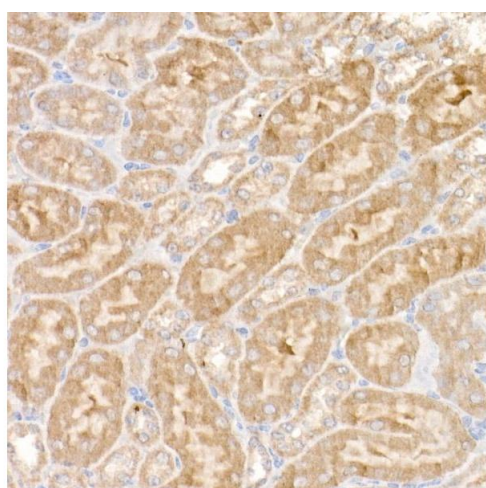
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using NDUF51 Rabbit pAb (ABIN7268819) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NDUF51 Rabbit pAb (ABIN7268819) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse kidney using NDUF51 Rabbit pAb (ABIN7268819) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7268819.