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KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2110

Specification

KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	O75438
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 7 kDa, observed, 10 kDa KDa**
Gene Name	**NDUFB1**
Aliases	**NDUFB1; NADH:Ubiquinone Oxidoreductase Subunit B1; CI-MNLL; MNLL; NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 1; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 1, 7kDa; NADH-Ubiquinone Oxidoreductase MNLL Subunit; Complex I MNLL Subunit; Complex I-MNLL; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 1 (7kD, MNLL); CI-SGDH**
Immunogen	**Recombinant protein of human NDUFB1**

KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**4707**

Other Names
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1, Complex I-MNLL, CI-MNLL, NADH-ubiquinone oxidoreductase MNLL subunit, NDUFB1

KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody - Protein Information

Name NDUFB1

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.

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein; Matrix side

KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody - Protocols

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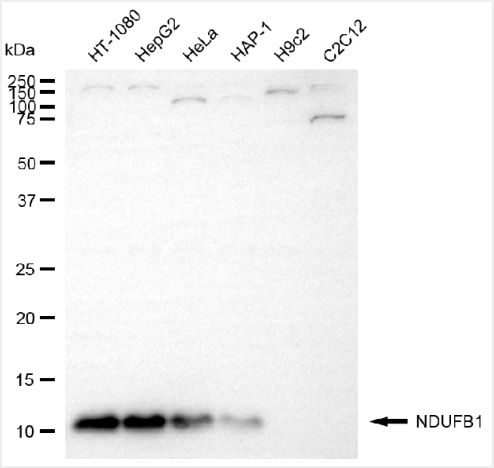
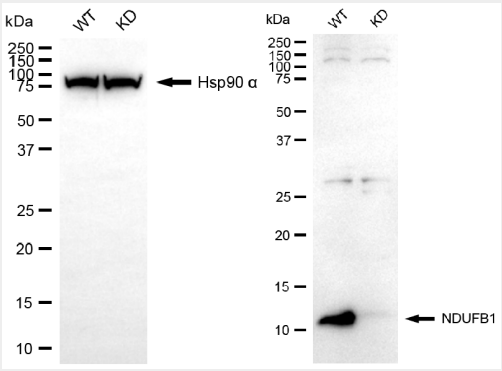
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-NDUFB1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-NDUFB1 antibody (Cat#AGI2110). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NDUFB1 antibody (Cat#AGI2110, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-NDUFB1 antibody (Cat#AGI2110). NDUFB1 expression in wild-type (WT) and NDUFB1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-NDUFB1 antibody (Cat#AGI2110, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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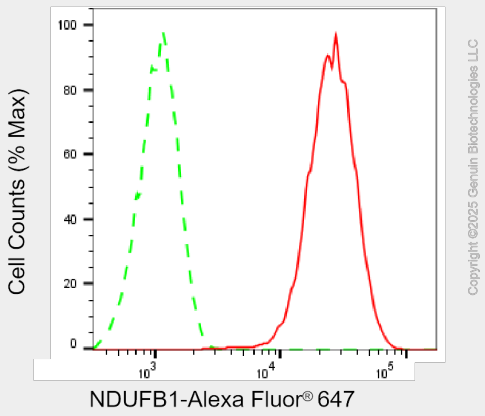
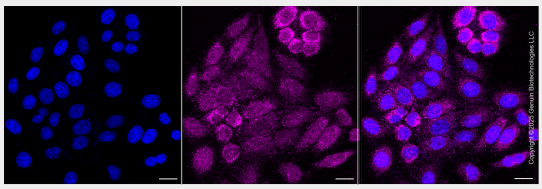


Flow cytometric analysis of NDUFB1 expression in HepG2 cells using anti-NDUFB1 antibody (Cat#AGI2110, 1:1,000). Green, isotype control; red, NDUFB1.



Immunocytochemical staining of HepG2 cells with anti-NDUFB1 antibody (Cat#AGI2110, 1:1000). Nuclei were stained blue with DAPI; NDUFB1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.