

Product Name: KD-Validated NDUFB1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00488**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 7.0kDa

Antigen Information

Gene Name	NDUFB1 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
Alternative Names	
Gene ID	4707.0
SwissProt ID	O75438
Immunogen	Recombinant protein of human NDUFB1

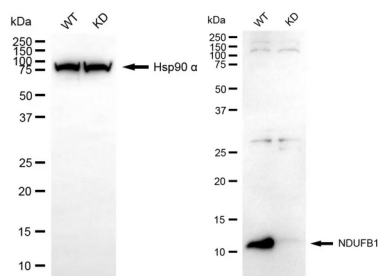
Background

Predicted to enable NADH dehydrogenase (ubiquinone) activity. Predicted to be involved in mitochondrial electron transport, NADH to ubiquinone and proton motive force-driven mitochondrial ATP synthesis. Located in mitochondrial inner membrane and nuclear speck. Part of respiratory chain complex I. [provided by Alliance of Genome Resources, Jul 2025]

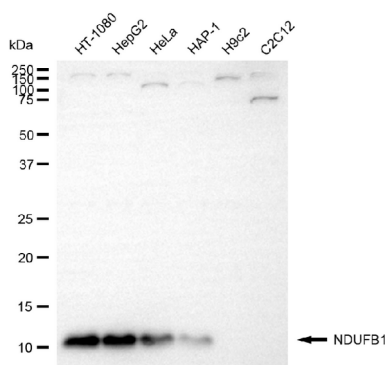
Research Area

Signal Transduction, Metabolism

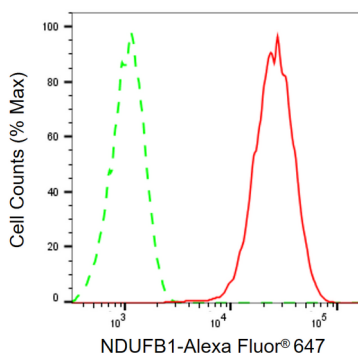
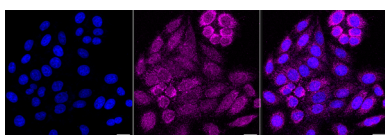
Image Data



Western blotting analysis using NDUFB1 antibody (KVA00488). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NDUFB1 antibody (KVA00488, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NDUFB1 antibody (KVA00488, 1:1,000). 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.



Flow cytometric analysis of NDUFB1 expression in HepG2 cells using NDUFB1 antibody (KVA00488, 1:1,000). Green, isotype control; red, NDUFB1.