
Product Name: KD-Validated NDUFB2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00332

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
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 1:200-1:2,000
Molecular Weight	Calculated MW: 12.1kDa

Antigen Information

Gene Name	NDUFB2 NDUFB2; NADH:Ubiquinone Oxidoreductase Subunit B2; CI-AGGG; NADH-Ubiquinone Oxidoreductase AGGG Subunit; AGGG; NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 2, Mitochondrial; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 2, 8kDa; Complex I AGGG Subunit; Complex I-AGGG; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 2 (8kD, AGGG)
Alternative Names	
Gene ID	4708.0
SwissProt ID	O95178
Immunogen	Recombinant protein of human NDUFB2

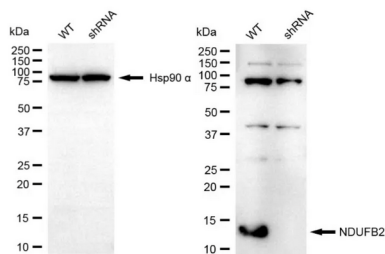
Background

The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I. [provided by RefSeq, Jul 2008]

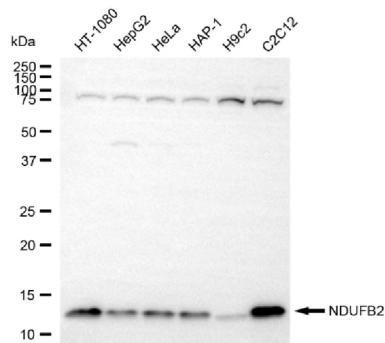
Research Area

Signal Transduction, Metabolism

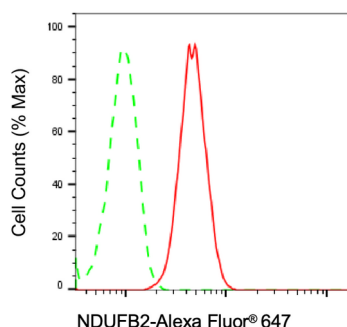
Image Data



Western blotting analysis using NDUFB2 antibody (KVA00332). NDUFB2 expression in wild-type (WT) and NDUFB2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NDUFB2 antibody (KVA00332, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NDUFB2 antibody (KVA00332). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NDUFB2 antibody (KVA00332, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of NDUFB2 expression in C2C12 cells using NDUFB2 antibody (KVA00332, 1:2,000). Green, isotype control; red, NDUFB2.