

Product Name: KD-Validated NDUFB11 Mouse Monoclonal Antibody**Catalog #: KVA00508**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 17.3kDa

Antigen Information

Gene Name	NDUFB11 NDUFB11; NADH:Ubiquinone Oxidoreductase Subunit B11; NP17.3; Np15; NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 11, Mitochondrial; NADH
Alternative Names	Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 11, 17.3kDa; NADH-Ubiquinone Oxidoreductase ESSS Subunit; Complex I NP17.3 Subunit; Neuronal Protein 17.3; Complex I-ESSS; CI-ESSS; P17.3; MC1DN30; Np17.3
Gene ID	54539.0
SwissProt ID	Q9NX14
Immunogen	Recombinant protein of human NDUFB11

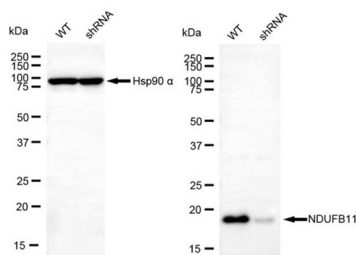
Background

The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is located at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to ubiquinone. Mutations in the human gene are associated with linear skin defects with multiple congenital anomalies 3 and mitochondrial complex I deficiency. [provided by RefSeq, Dec 2016]

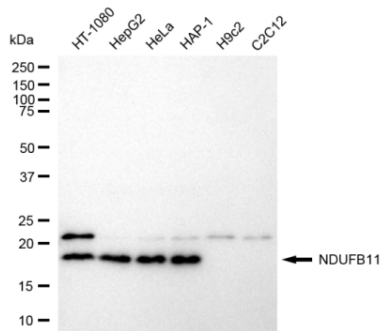
Research Area

Cardiovascular, Neuroscience

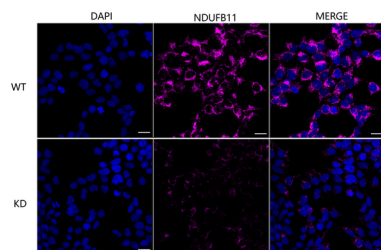
Image Data



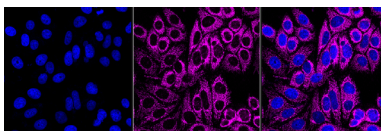
Western blotting analysis using NDUF B11 antibody (KVA b00508). NDUF B11 expression in wild-type (WT) and NDUF B11 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NDUF B11 antibody (KVA b00508, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



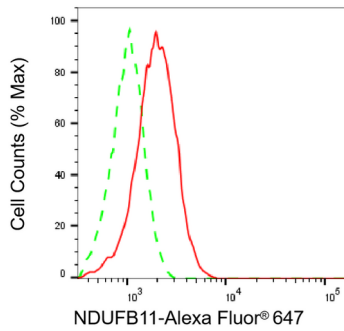
Western blotting analysis using NDUF B11 antibody (KVA b00508). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NDUF B11 antibody (KVA b00508, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using anti-NDUF B11 antibody (KVA b00508, 1:1,000). Top panel: wild-type (WT); Bottom panel: NDUF B11 shRNA knockdown (KD). Nuclei were stained blue with DAPI; NDUF B11 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with NDUF B11 antibody (KVA b00508, 1:1,000). Nuclei were stained blue with DAPI; NDUF B11 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 NDUFB11 expression in HepG2 cells using NDUFB11 antibody (KVA00508, 1:2,000). Green, isotype control; red, NDUFB11.