

Product Name: KD-Validated NDUFAF5 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01145

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 38.9kDa

Antigen Information

Gene Name	NDUFAF5
Alternative Names	NDUFAF5; NADH:Ubiquinone Oxidoreductase Complex Assembly Factor 5; DJ842G6.1; C20orf7; NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex Assembly Factor 5; NADH Dehydrogenase (Ubiquinone) Complex I, Assembly Factor 5; Arginine-Hydroxylase NDUFAF5, Mitochondrial; Putative Methyltransferase NDUFAF5; Probable Methyltransferase C20orf7, Mitochondrial; Chromosome 20 Open Reading Frame 7; BA526K24.2; EC 1.-.-.-; EC 2.1.1.-.-; MC1DN16
Gene ID	79133.0
SwissProt ID	Q5TEU4
Immunogen	Recombinant protein of human NDUFAF5

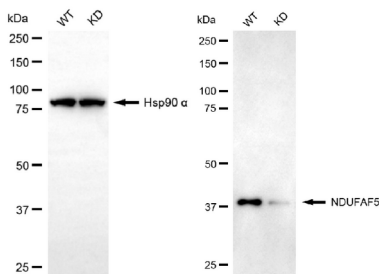
Background

The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes a mitochondrial protein that is associated with the matrix face of the mitochondrial inner membrane and is required for complex I assembly. A mutation in this gene results in mitochondrial complex I deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

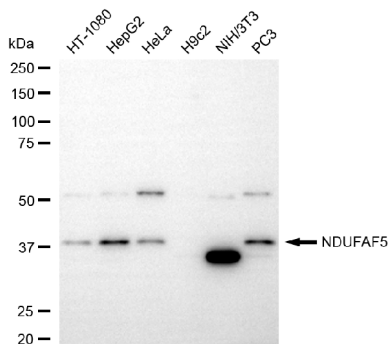
Research Area

Cardiovascular, Neuroscience

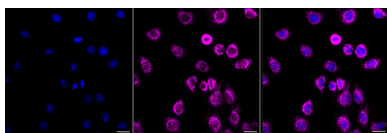
Image Data



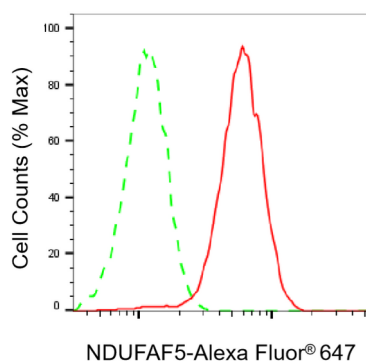
Western blotting analysis using NDUFAF5 antibody (KVA01145). NDUFAF5 expression in wild-type (WT) and NDUFAF5 knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NDUFAF5 antibody (KVA01145, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NDUFAF5 antibody (KVA01145). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NDUFAF5 antibody (KVA01145, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with NDUFAF5 antibody (KVA01145, 1:1,000). Nuclei were stained blue with DAPI; NDUFAF5 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 NDUFAF5 expression in C2C12 cells using NDUFAF5 antibody (KVA01145, 1:2,000). Green, isotype control; red, NDUFAF5.

