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NDUAB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10520c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q86Y39
Other Accession	NP_783313.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28150
Calculated MW	14852
Antigen Region	64-92

Additional Information

Gene ID	126328
Other Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11, Complex I-B147, CI-B147, NADH-ubiquinone oxidoreductase subunit B147, NDUFA11
Target/Specificity	This NDUAB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the Central region of human NDUAB.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NDUAB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFA11
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; Multi-pass membrane protein; Matrix side

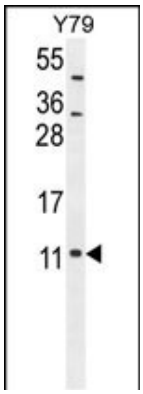
Background

NDUFA11 encodes a subunit of the membrane-bound mitochondrial complex I. Complex I is composed of numerous subunits and functions as the NADH-ubiquinol reductase of the mitochondrial electron transport chain. Mutations in this gene are associated with severe mitochondrial complex I deficiency. Alternate splicing results in multiple transcript variants.

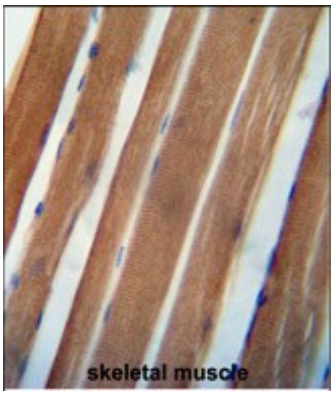
References

Berger, I., et al. Ann. Neurol. 63(3):405-408(2008)
Takagaki, K., et al. Biochem. Biophys. Res. Commun. 309(2):351-358(2003)
Murray, J., et al. J. Biol. Chem. 278(16):13619-13622(2003)
Carroll, J., et al. J. Biol. Chem. 277(52):50311-50317(2002)
Carroll, J., et al. J. Biol. Chem. 277(52):50311-50317(2002)

Images



NDUAB Antibody (Center) (Cat. #AP10520c) western blot analysis in Y79 cell line lysates (35ug/lane).This demonstrates the NDUAB antibody detected the NDUAB protein (arrow).



NDUAB antibody (Center) (Cat. #AP10520c) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDUAB antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.