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NDUFS6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19818c

Product Information

Application	WB, E
Primary Accession	O75380
Other Accession	Q4R5X8, NP_004544.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41028
Calculated MW	13712
Antigen Region	28-56

Additional Information

Gene ID	4726
Other Names	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial, Complex I-13kD-A, CI-13kD-A, NADH-ubiquinone oxidoreductase 13 kDa-A subunit, NDUFS6
Target/Specificity	This NDUFS6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the Central region of human NDUFS6.
Dilution	WB~~1:1000 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	NDUFS6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFS6
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; Peripheral membrane protein; Matrix side

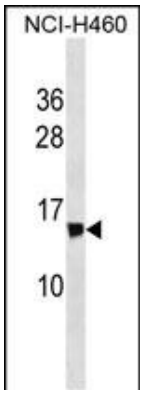
Background

This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders.

References

Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009)
Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)
Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008)
Harris, S.E., et al. BMC Genet. 8, 43 (2007) :

Images



NDUFS6 Antibody (Center) (Cat. #AP19818c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the NDUFS6 antibody detected the NDUFS6 protein (arrow).