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NDUFA12 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20818a

Product Information

Application	WB, E
Primary Accession	Q9UI09
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50815
Calculated MW	17114

Additional Information

Gene ID	55967
Other Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12, 13 kDa differentiation-associated protein, Complex I-B172, CI-B172, CIB172, NADH-ubiquinone oxidoreductase subunit B172, NDUFA12, DAP13
Target/Specificity	This NDUFA12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 34-68 amino acids from the N-terminal region of human NDUFA12.
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	NDUFA12 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFA12
Synonyms	DAP13
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

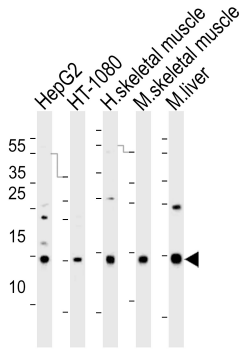
Background

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.

References

Triepels R.,et al.Hum. Genet. 106:385-391(2000).
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Scherer S.E.,et al.Nature 440:346-351(2006).
Murray J.,et al.J. Biol. Chem. 278:13619-13622(2003).

Images



Western blot analysis of lysates from HepG2, HT-1080 cell line, human skeletal muscle, mouse skeletal muscle, mouse liver tissue lysate(from left to right), using NDUFA12 Antibody (N-term)(Cat. #AP20818a). AP20818a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.