10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFA12 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5465

Product Information

Application	WB
Primary Accession	Q9UI09
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17114
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	55967
Antigen Region	34-68
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
Dilution	WB~~1:1000
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.
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

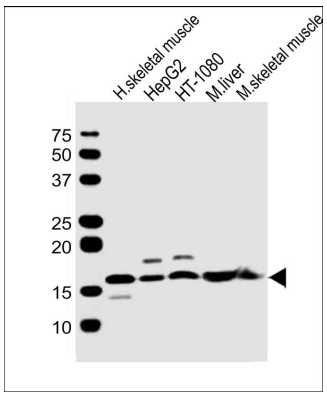
Background

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



All lanes : Anti-NDUFA12 Antibody (N-term) at 1:1000 dilution Lane 1: human skeletal muscle lysates Lane 2: HepG2 whole cell lysates Lane 3: HT-1080 whole cell lysates Lane 4: mouse liver lysates Lane 5: mouse skeletal muscle lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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