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

NDUFS5 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21808a

Product Information

Application	WB, E
Primary Accession	O43920
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53878
Calculated MW	12518

Additional Information

Gene ID	4725
Other Names	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5, Complex I-15 kDa, CI-15 kDa, NADH-ubiquinone oxidoreductase 15 kDa subunit, NDUFS5
Target/Specificity	This NDUFS5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 5-36 amino acids from human NDUFS5.
Dilution	WB~~1:2000 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	NDUFS5 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NDUFS5
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. Mitochondrion intermembrane space

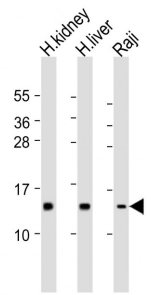
Background

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

Mao M.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:8175-8180(1998).
Loeffen J.,et al.J. Inherit. Metab. Dis. 22:19-28(1999).
Murray J.,et al.J. Biol. Chem. 278:13619-13622(2003).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Szklarczyk R.,et al.FEBS Lett. 585:737-743(2011).

Images



All lanes : Anti-NDUFS5 Antibody (N-Term) at 1:2000 dilution Lane 1: human kidney lysate Lane 2: human liver lysate Lane 3: Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 13 kDa Blocking/Dilution buffer: 5% NFDM/TBST.