Product Name: **NDUS8 Rabbit Polyclonal Antibody**
Catalog #: **APRab14524**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	23kDa

Antigen Information

Gene Name	NDUFS8
Alternative Names	
Gene ID	4728.0
SwissProt ID	O00217
Immunogen	Synthesized peptide derived from human protein . at AA range: 90-170

Background

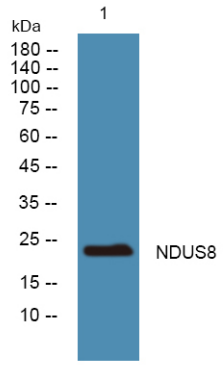
This gene encodes a subunit of mitochondrial NADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzyme of the respiratory chain responsible for NADH oxidation, ubiquinone reduction, and the ejection of protons from mitochondria. The encoded protein is involved in the binding of two of the six to eight iron-sulfur clusters of Complex I and, as such, is required in

the electron transfer process. Mutations in this gene have been associated with Leigh syndrome. [provided by RefSeq, Mar 2010],catalytic activity:NADH + acceptor = NAD(+) + reduced acceptor.,catalytic activity:NADH + ubiquinone = NAD(+) + ubiquinol.,cofactor:Binds 2 4Fe-4S clusters per subunit.,disease:Defects in NDUFS8 are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe neurological disorder characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions.,function:Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity). May donate electrons to ubiquinone.,similarity:Belongs to the complex I 23 kDa subunit family.,similarity:Contains 2 4Fe-4S ferredoxin-type domains.,subunit:Mammalian complex I is composed of 45 different subunits.,

Research Area

Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;

Image Data



Western blot analysis of lysates from Jarkat cells, NDUS8 Rabbit Polyclonal Antibody was diluted at 1:1000, 4°over night