

Summary

Production Name	NDUFV2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NDUFV2
Alternative Names	NDUFV2; NADH dehydrogenase [ubiquinone] flavoprotein 2; mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit
Gene ID	4729.0
SwissProt ID	P19404.The antiserum was produced against synthesized peptide derived from human NDUFV2. AA range:20-69

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	27kD

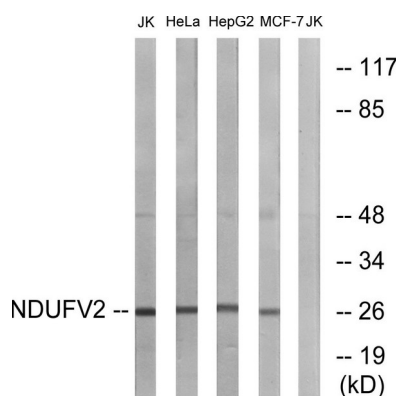
Background

The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes the 24 kDa subunit of complex I, and is involved in electron transfer. Mutations in this gene are implicated in Parkinson's disease, bipolar disorder, schizophrenia, and have been found in one case of early onset hypertrophic cardiomyopathy and encephalopathy. A non-transcribed pseudogene of this locus is found on chromosome 19. [provided by RefSeq, Oct 2009], catalytic activity: NADH + acceptor = NAD(+) + reduced acceptor., catalytic activity: NADH + ubiquinone = NAD(+) + ubiquinol., cofactor: Binds 1 2Fe-2S cluster., 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., similarity: Belongs to the complex I 24 kDa subunit family., subunit: Complex I is composed of 45 different subunits. This is a component of the flavoprotein-sulfur (FP) fragment of the enzyme.,

Research Area

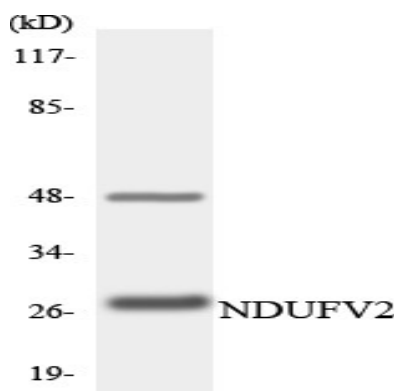
Oxidative phosphorylation; Alzheimer's disease; Parkinson's disease; Huntington's disease;

Image Data



Western blot analysis of lysates from Jurkat, HeLa, HepG2, and MCF-7 cells, using NDUFV2 Antibody. The lane on the right is blocked with the synthesized peptide.

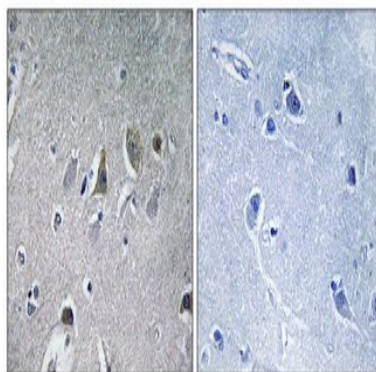
Product Name: NDUFV2 Rabbit Polyclonal Antibody
Catalog #: APRab14520



Western blot analysis of the lysates from K562 cells using NDUFV2 antibody.



Western Blot analysis of various cells using NDUFV2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.