

产品名称: NDUFV2 Rabbit Polyclonal Antibody
产品货号: APRab14520



产品概述 (Summary)

产品名称 (Production Name)	NDUFV2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	27kDa

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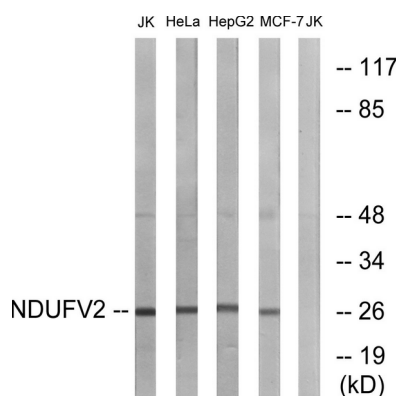
研究背景 (Background)

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.,

研究领域 (Research Area)

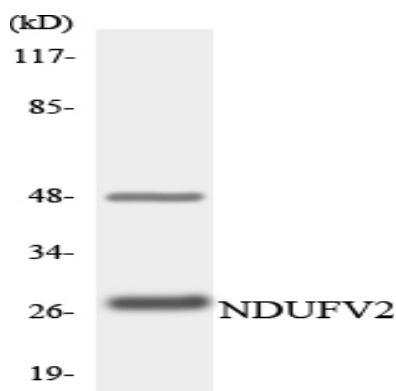
Oxidative phosphorylation; Alzheimer's disease; Parkinson's disease; Huntington's disease;

图片 (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.

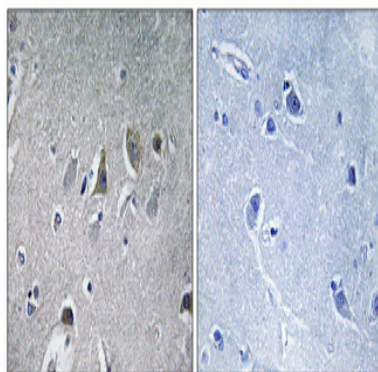
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Western blot analysis of the lysates from K562 cells using NDUFV2 antibody.



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, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .