

Anti-NDUFV2 Antibody

Catalog # AP59633

Product Information

Application	WB, IHC
Primary Accession	P19404
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27392

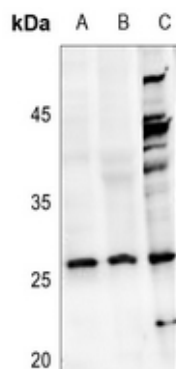
Additional Information

Gene ID	4729
Other Names	NADH dehydrogenase [ubiquinone] flavoprotein 2 mitochondrial; NADH-ubiquinone oxidoreductase 24 kDa subunit
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NDUFV2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

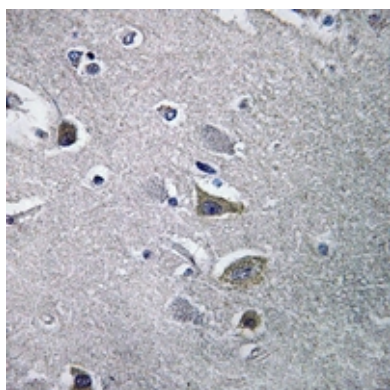
Protein Information

Name	NDUFV2 (HGNC:7717)
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (Probable). Parts of the peripheral arm of the enzyme, where the electrons from NADH are accepted by flavin mononucleotide (FMN) and then passed along a chain of iron-sulfur clusters by electron tunnelling to the final acceptor ubiquinone (Probable). Contains one iron-sulfur cluster (Probable).
Cellular Location	Mitochondrion inner membrane {ECO:0000250 UniProtKB:P04394}; Peripheral membrane protein {ECO:0000250 UniProtKB:P04394}; Matrix side {ECO:0000250 UniProtKB:P04394}

Images



Western blot analysis of NDUFV2 expression in mouse brain (A), rat stomach (B), THP1 (C) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 27 kD)



Immunohistochemical analysis of NDUFV2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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