

NDUFV1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21746c**Specification**

NDUFV1 Antibody (Center) - Product Information

| | |
|-------------------|------------------------|
| Application | WB,E |
| Primary Accession | P49821 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 50817 |

NDUFV1 Antibody (Center) - Additional Information**Gene ID** 4723**Other Names**

NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial, Complex I-51kD, CI-51kD, NADH dehydrogenase flavoprotein 1, NADH-ubiquinone oxidoreductase 51 kDa subunit, NDUFV1, UQOR1

Target/Specificity

This NDUFV1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 194-226 amino acids from the Central region of human NDUFV1.

Dilution

WB~~1:2000

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

NDUFV1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFV1 Antibody (Center) - Protein Information**Name** NDUFV1 ([HGNC:7716](#))**Synonyms** UQOR1**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 (PubMed:[28844695](#)). Part 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 (PubMed:[28844695](#)). Contains FMN, which is the initial electron acceptor as well as one iron-sulfur cluster (PubMed:[28844695](#)).

Cellular Location

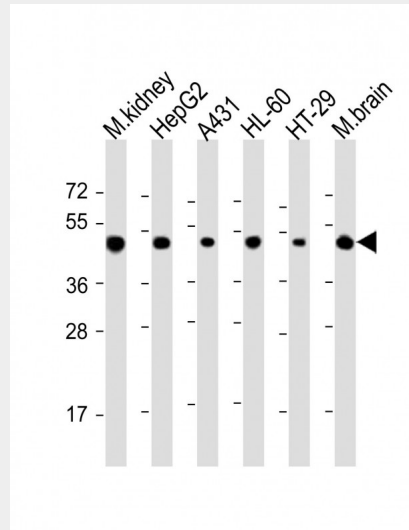
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P25708}; Peripheral membrane protein {ECO:0000250|UniProtKB:P25708}; Matrix side {ECO:0000250|UniProtKB:P25708}

NDUFV1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDUFV1 Antibody (Center) - Images



All lanes : Anti-NDUFV1 Antibody (Center) at 1:2000 dilution Lane 1: mouse kidney lysate Lane 2: HepG2 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: HL-60 whole cell lysate Lane 5: HT-29 whole cell lysate Lane 6: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NDUFV1 Antibody (Center) - Background

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).

NDUFV1 Antibody (Center) - References

- de Coo R.F.M.,et al.Mamm. Genome 10:49-53(1999).
Schuelke M.,et al.Biochem. Biophys. Res. Commun. 245:599-606(1998).
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.