

NDUFV2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50682**Specification**

NDUFV2 Antibody - Product Information

Application	WB
Primary Accession	P19404
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27 KDa
Antigen Region	32-60

NDUFV2 Antibody - Additional Information**Gene ID** 4729**Other Names**

NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial, NADH-ubiquinone oxidoreductase 24 kDa subunit, NDUFV2

Dilution

WB~~1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

NDUFV2 Antibody - 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

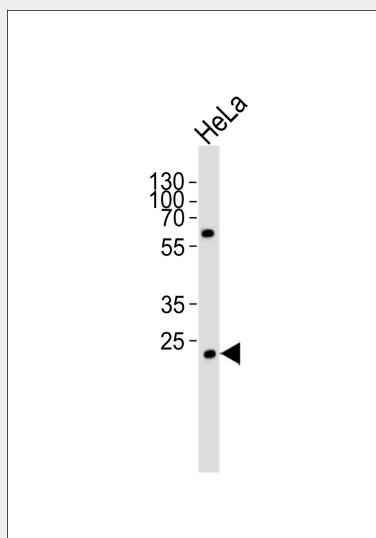
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P04394}; Peripheral membrane protein {ECO:0000250|UniProtKB:P04394}; Matrix side {ECO:0000250|UniProtKB:P04394}

NDUFV2 Antibody - 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](#)

NDUFV2 Antibody - Images



Western blot analysis of lysate from HeLa cell line, using NDUFV2 Antibody (AP50682). AP50682 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

NDUFV2 Antibody - 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).

NDUFV2 Antibody - References

Pilkington S.J., et al. *Biochemistry* 28:3257-3264 (1989).
Murray J., et al. *J. Biol. Chem.* 278:13619-13622 (2003).
Burkard T.R., et al. *BMC Syst. Biol.* 5:17-17 (2011).
Ogura M., et al. *Biochem. J.* 447:281-289 (2012).