

NDUFV1 Antibody (aa218-459)
Rabbit Polyclonal Antibody
Catalog # ALS16880**Specification**

NDUFV1 Antibody (aa218-459) - Product Information

Application	IHC, WB
Primary Accession	P49821
Other Accession	4723
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50817

NDUFV1 Antibody (aa218-459) - Additional Information**Gene ID** 4723**Other Names**

NDUFV1, CI-51K, CI-51kD, Complex I 51 kda subunit, CI51KD, UQOR1, Complex I 51kDa subunit, Complex I-51kD

Target/Specificity

Human NDUFV1

Reconstitution & Storage

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

NDUFV1 Antibody (aa218-459) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFV1 Antibody (aa218-459) - 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}

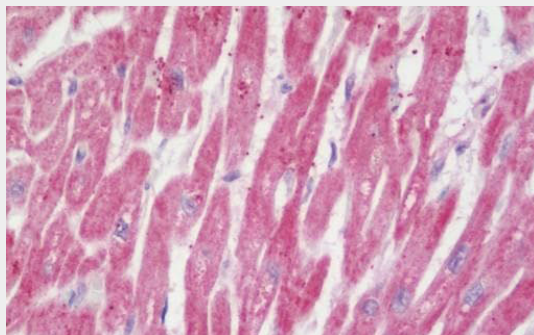
Volume

50 µl

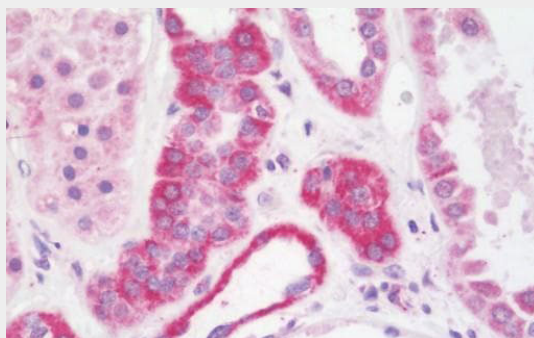
NDUFV1 Antibody (aa218-459) - Protocols

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

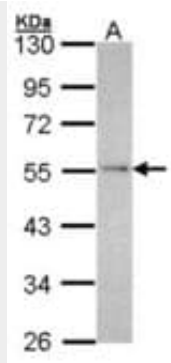
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDUFV1 Antibody (aa218-459) - Images

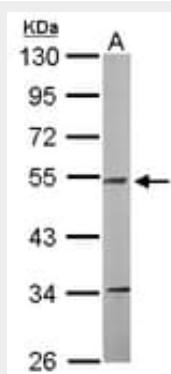
Anti-NDUFV1 antibody IHC staining of human heart.



Anti-NDUFV1 antibody IHC staining of human kidney.



Sample (30 ug of whole cell lysate). A: Hep G2 . 10% SDS PAGE. NDUFV1 antibody diluted at 1:1000.



Sample (50 ug of whole cell lysate).

NDUFV1 Antibody (aa218-459) - 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 (aa218-459) - 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.