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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:<a

href="http://www.uniprot.org/citations/28844695" target="_blank">28844695).

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

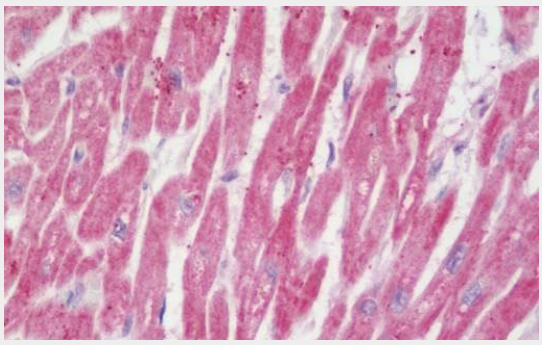
Volume
50 µl

NDUFV1 Antibody (aa218-459) - Protocols

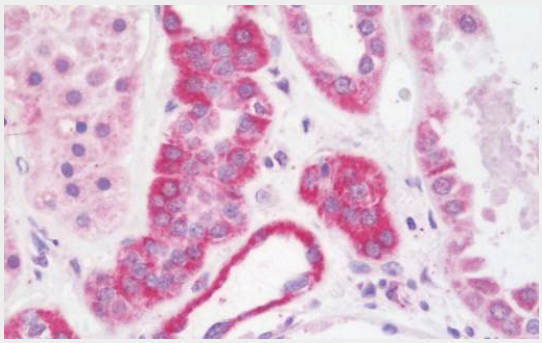
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NDUFV1 Antibody (aa218-459) - Images

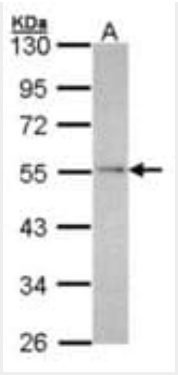


Anti-NDUFV1 antibody IHC staining of human heart.

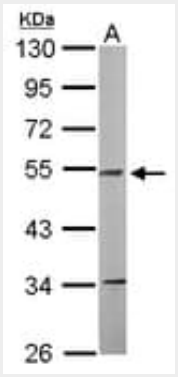


Anti-NDUFV1 antibody IHC staining of human kidney.

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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.