For Research Use Only

NDUFA2 Polyclonal antibody

Catalog Number:15889-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
15889-1-AP

Size:
600 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8675

GenBank Accession Number:
BC003674

GeneID (NCBI):
4695

UNIPROT ID:
O43678

Full Name:
NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa

Calculated MW:
99 aa, 11 kDa

Observed MW:
11 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:250-1:1000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, mouse liver tissue, rat heart tissue

IHC : mouse heart tissue,

Background Information

NDUFA2(NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2), also known as NADH ubiquinone oxidoreductase B8 subunit, is one of accessory subunits of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I). NDUFS2 is vital for growth, ROS generation, membrane integrity, apoptosis, and mitochondrial energetics.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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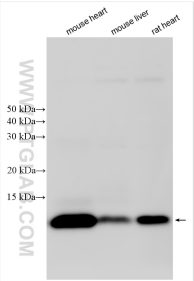
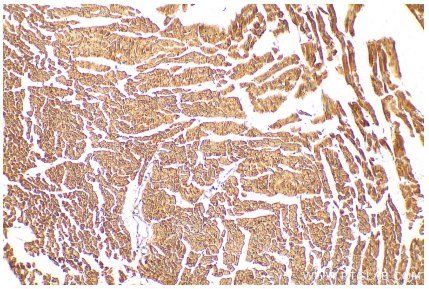
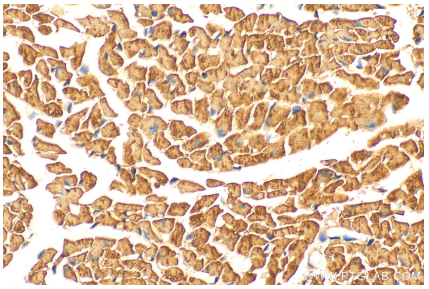
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15889-1-AP (NDUFA2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15889-1-AP (NDUFA2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 15889-1-AP (NDUFA2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).