

For Research Use Only

NDUFAF2 Polyclonal antibody

Catalog Number: 13891-1-AP

3 Publications



Basic Information

Catalog Number:

13891-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4853

GenBank Accession Number:

BC033965

GeneID (NCBI):

91942

UNIPROT ID:

Q8N183

Full Name:

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2

Calculated MW:

169 aa, 20 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse

Cited Species:

human

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 : HepG2 cells,

IP : SH-SY5Y cells,

IHC : mouse skeletal muscle tissue,

Background Information

Mimitin, also named as MMTN, B17.2L, NDUFAF2 and NDUFA12L, is a small mitochondrial protein upregulated by proinflammatory cytokines at the transcriptional and protein levels. It is reported as a possible chaperone for assembly of mitochondrial complex I. The MW of Mimitin is 17-25 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ostergaard Elsebet E	21617257	J Med Genet	WB
Margherita Protasoni	31912925	EMBO J	WB
Sujin Park	36738241	Redox Rep	IP

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

*** 20ul sizes contain 0.1% BSA

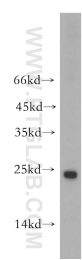
For technical support and original validation data for this product please contact:

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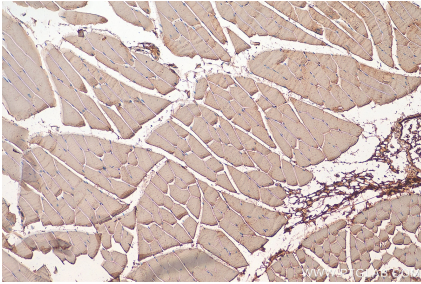
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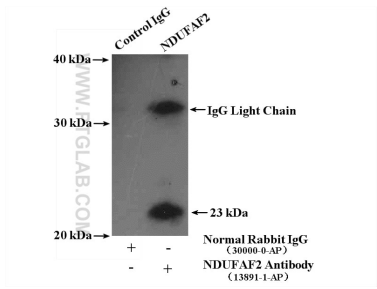
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 13891-1-AP (NDUFAF2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 13891-1-AP (NDUFAF2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NDUFAF2 (IP:13891-1-AP, 4ug; Detection:13891-1-AP 1:500) with SH-SY5Y cells lysate 1600ug.