

For Research Use Only

NDUFAF2 Polyclonal antibody

Catalog Number: 13891-1-AP **3 Publications**



Basic Information

Catalog Number: 13891-1-AP	GenBank Accession Number: BC033965	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 91942	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2	for WB IHC 1:50-1:500
Isotype: IgG	Calculated MW: 169 aa, 20 kDa	
Immunogen Catalog Number: AG4853	Observed MW: 25 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HepG2 cells, IP : SH-SY5Y cells, IHC : mouse skeletal muscle tissue,
Cited Applications: IP, WB	
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

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

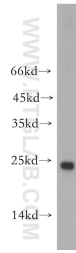
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

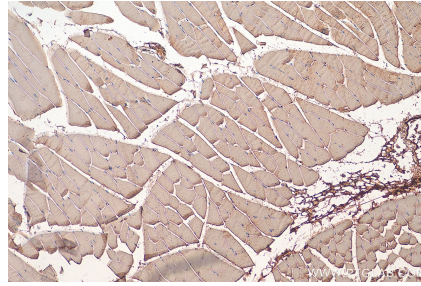
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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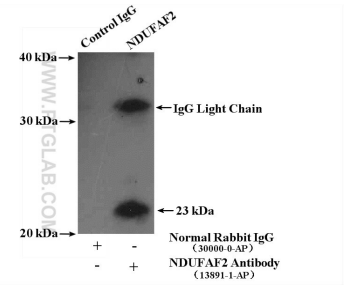
Selected Validation Data



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.