

For Research Use Only

NDUFA1 Polyclonal antibody

Catalog Number: 15561-1-AP **2 Publications**



Basic Information

Catalog Number: 15561-1-AP	GenBank Accession Number: BC000266	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 4694	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	
Isotype: IgG	Calculated MW: 7.5 kDa	
Immunogen Catalog Number: AG7206	Observed MW: 7.5 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse kidney tissue, mouse liver tissue
Species Specificity: human, mouse, rat	IHC: mouse liver tissue, mouse heart tissue
Cited Species: human, rat	
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

The NDUFA1 gene encoding the MWFE polypeptide is located on the X chromosome. The NDUFA1 gene product (MWFE protein) is essential for activity of complex I in mammalian mitochondria, and it is predicted to be a membrane protein (PMID: 10200266).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaolei Zhang	36178619	Methods Mol Biol	WB
Zhao-Yu Xiang	37334311	Front Endocrinol (Lausanne)	WB

Storage

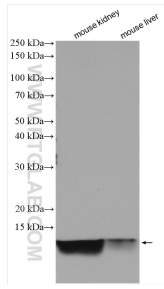
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

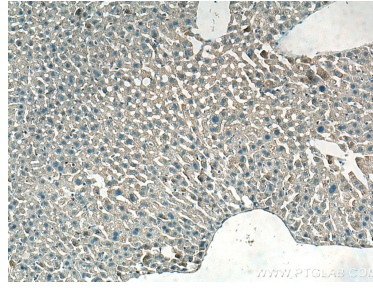
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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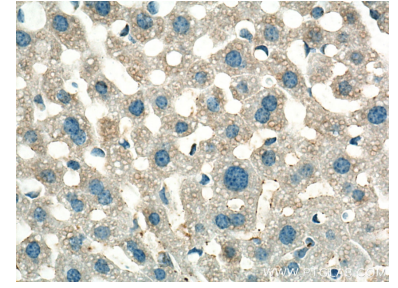
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15561-1-AP (NDUFA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15561-1-AP (NDUFA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15561-1-AP (NDUFA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).