

For Research Use Only

COX8A Polyclonal antibody

Catalog Number: 15368-1-AP

3 Publications



Basic Information

Catalog Number: 15368-1-AP	GenBank Accession Number: BC063025	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1351	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200
Source: Rabbit	Full Name: cytochrome c oxidase subunit 8A (ubiquitous)	
Isotype: IgG	Calculated MW: 8 kDa	
Immunogen Catalog Number: AG2885	Observed MW: 8 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : mouse skeletal muscle tissue, human skeletal muscle tissue
Species Specificity: human, mouse	IHC : human heart tissue, human hepatocirrhosis tissue, rat heart tissue
Cited Species: human, mouse	

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

COX8A(Cytochrome c oxidase subunit 8A) is also named as COX8, COX8L and belongs to the cytochrome c oxidase VIII family. This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. The gene encodes a full length protein of 8 kDa with a transit peptide of 25 amino acid.

Notable Publications

Author	Pubmed ID	Journal	Application
Weicheng Wu	30237463	Cell Death Dis	WB
Ami Kobayashi	36697396	Nat Commun	WB
Pallua Johannes Dominikus JD	23954705	J Proteomics	IHC

Storage

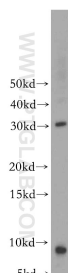
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

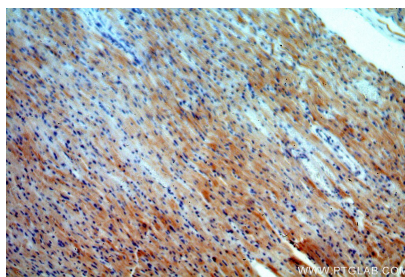
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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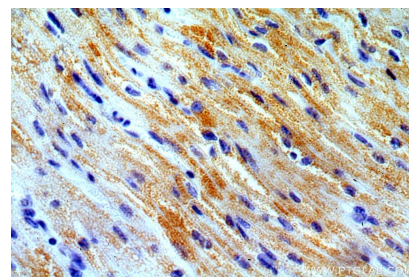
Selected Validation Data



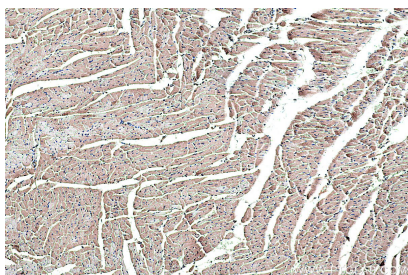
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15368-1-AP (COX8A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



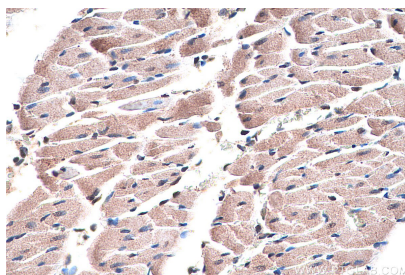
Immunohistochemical analysis of paraffin-embedded human heart using 15368-1-AP (COX8A antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 15368-1-AP (COX8A antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 15368-1-AP (COX8A 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 rat heart tissue slide using 15368-1-AP (COX8A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).