

For Research Use Only

# COX8A Polyclonal antibody

Catalog Number: 15368-1-AP

5 Publications



## Basic Information

### Catalog Number:

15368-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2885

### GenBank Accession Number:

BC063025

### GeneID (NCBI):

1351

### UNIPROT ID:

P10176

### Full Name:

cytochrome c oxidase subunit 8A (ubiquitous)

### Calculated MW:

8 kDa

### Observed MW:

8 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

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 skeletal muscle tissue, human skeletal muscle tissue

**IHC**: human heart tissue, human hepatocirrhosis tissue, rat heart tissue

## 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
Kexiong Liu	39892609	J Adv Res	WB, IF

## 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

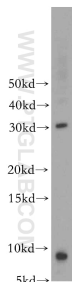
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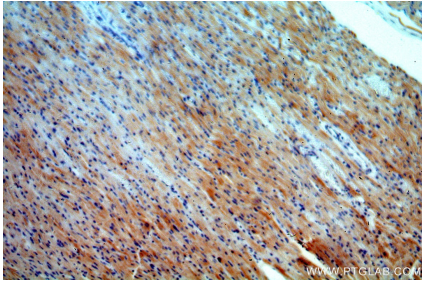
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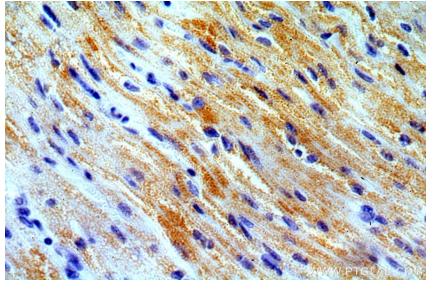
Selected Validation Data



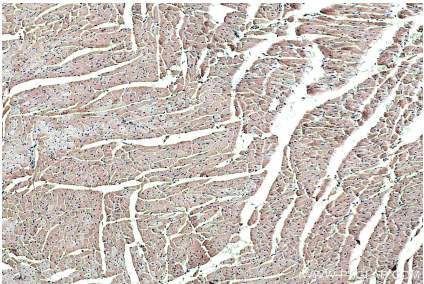
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15368-1-AP (COX8A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



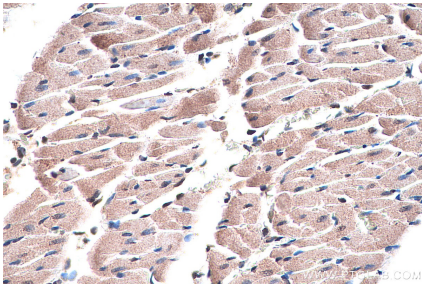
Immunohistochemical analysis of paraffin-embedded human heart using 15368-1-AP (COX8A antibody) at dilution of 1:100 (under 10x lens).



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).