

For Research Use Only

# CPOX Polyclonal antibody

Catalog Number: 16724-1-AP



## Basic Information

### Catalog Number:

16724-1-AP

### Size:

150ul , Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10164

### GenBank Accession Number:

BC017210

### GeneID (NCBI):

1371

### UNIPROT ID:

P36551

### Full Name:

coproporphyrinogen oxidase

### Calculated MW:

454 aa, 50 kDa

### Observed MW:

36 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Species Specificity:

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 :** HepG2 cells, human liver tissue, K-562 cells, mouse liver tissue, rat liver tissue

**IP :** HepG2 cells,

**IHC :** human liver tissue, human testis tissue

## Background Information

CPOX(Coproporphyrinogen-III oxidase, mitochondrial) is also named as CPO and CPX. Human CPO is a 76 kDa protein that is active as a homodimer in the mitochondrial intermembrane space (PMID:16159891). Mutations in human CPO gene predict the clinical outcome of the disease, with either hepatic hereditary coproporphyrinemia or hematological manifestations of erythropoietic protoporphyria. CPOX has a transit peptide of 110 aa and the chain contains 344 aa.

## 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

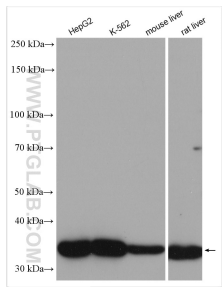
For technical support and original validation data for this product please contact:

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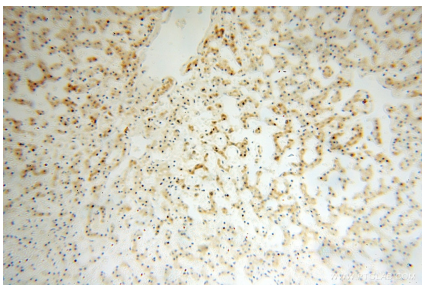
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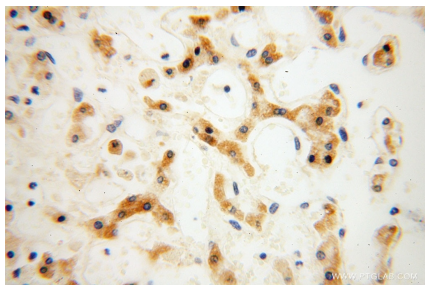
Selected Validation Data



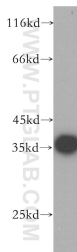
Various lysates were subjected to SDS PAGE followed by western blot with 16724-1-AP (CPOX antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



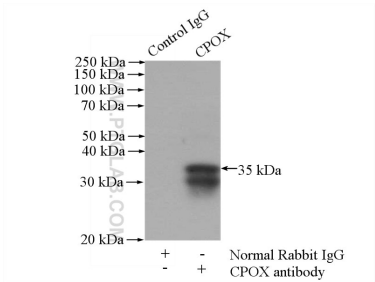
Immunohistochemical analysis of paraffin-embedded human liver using 16724-1-AP (CPOX antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16724-1-AP (CPOX antibody) at dilution of 1:100 (under 40x lens).



K-562 cells were subjected to SDS PAGE followed by western blot with 16724-1-AP (CPOX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-CPOX (IP:16724-1-AP, 4ug; Detection:16724-1-AP 1:1000) with HepG2 cells lysate 1800ug.