

For Research Use Only

CPOX Polyclonal antibody

Catalog Number: 16724-1-AP



Basic Information

Catalog Number: 16724-1-AP	GenBank Accession Number: BC017210	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 1371	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P36551	
Isotype: IgG	Full Name: coproporphyrinogen oxidase	
Immunogen Catalog Number: AG10164	Calculated MW: 454 aa, 50 kDa Observed MW: 36 kDa	

Applications

Tested Applications:
IHC, IP, WB, 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 coproporphyrinuria 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

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

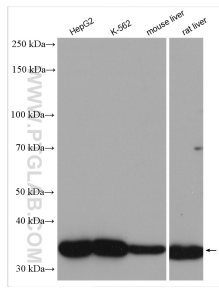
T: 4006900926

E: Proteintech-CN@ptglab.com

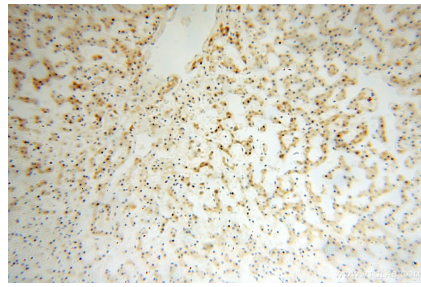
W: ptgcn.com

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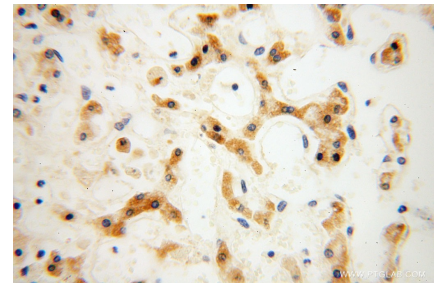
Selected Validation Data



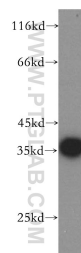
Various lysates were subjected to SDS PAGE followed by western blot with 16724-1-AP (CPOX antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



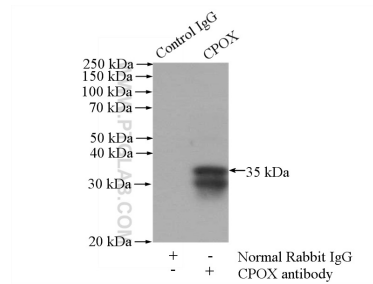
Immunohistochemical analysis of paraffin-embedded human liver using 16724-1-AP (CPOX antibody) at dilution of 1:100 (under 10x lens).



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.