

For Research Use Only

CPOX Polyclonal antibody

Catalog Number: 12211-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

12211-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2858

GenBank Accession Number:

BC023551

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: HepG2 cells, K-562 cells, Jurkat cells, mouse liver tissue, rat liver tissue

IP: HepG2 cells,

IHC: human liver cancer tissue, human liver 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Takahashi Kenkichi K	21824890	Neuro Oncol	IHC
Mario Mischkulnig	35665365	Front Med (Lausanne)	IHC
Michelle Grace Acoba	33730581	Cell Rep	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

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

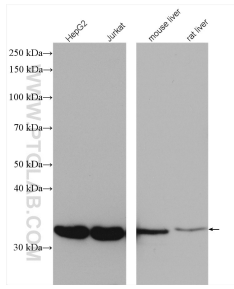
T: 4006900926

E: Proteintech-CN@ptglab.com

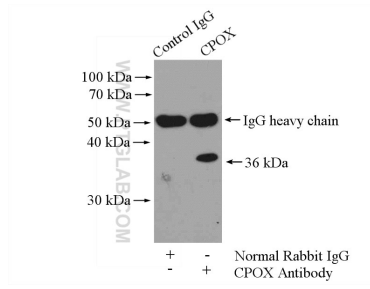
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

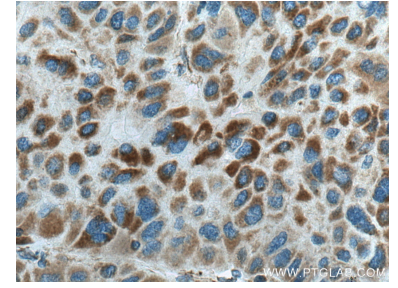
Selected Validation Data



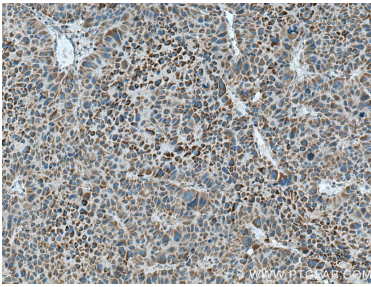
Various lysates were subjected to SDS PAGE followed by western blot with 12211-1-AP (CPOX antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-CPOX (IP:12211-1-AP, 4ug; Detection:12211-1-AP 1:500) with HepG2 cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12211-1-AP (CPOX antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12211-1-AP (CPOX antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).