For Research Use Only

CPOX Polyclonal antibody

Catalog Number:12211-1-AP

Featured Product

7 Publications



Basic Information

 Catalog Number:
 GenBank Accession Number:

 12211-1-AP
 BC023551

 Size:
 GeneID (NCBI):

 450 µg/ml
 1371

Source: UNIPROT ID: Rabbit P36551
Isotype: Full Name:

IgG coproporphyrinogen oxidase

Immunogen Catalog Number:Calculated MW:AG2858454 aa, 50 kDaObserved MW:

36 kDa

Purification Method: Antigen affinity purification Recommended Dilutions:

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

protein lysate IHC 1:50-1:500

WB 1:1000-1:4000

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:

IP: HepG2 cells,

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

tissue, rat liver tissue

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 pace(PMID:16159891). Mutations in human CPO gene predict the clinical outcome of the disease, with either hepatic hereditary coproporphyria or hematological manifestations of erythropoietic harderoporphyria. 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:

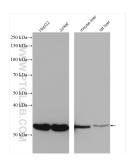
Store at -20°C. Stable for one year after shipment.

Storage Buffer

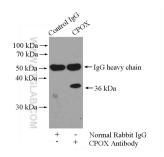
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

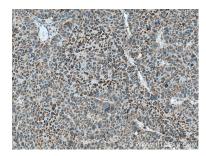
Selected Validation Data



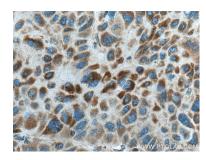
Various lysates were subjected to SDS PAGE followed by western blot with 12211-1-AP (CPOX antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffinembedded 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).



Immunohistochemical analysis of paraffinembedded 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).