

Datasheet for ABIN7162391
anti-CPOX antibody (AA 19-149)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CPOX
Binding Specificity:	AA 19-149
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPOX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial protein (19-149AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CPOX
Alternative Name:	CPOX (CPOX Products)
Background:	Background: Involved in the heme biosynthesis. Catalyzes the aerobic oxidative decarboxylation

Target Details

of propionate groups of rings A and B of coproporphyrinogen-III to yield the vinyl groups in protoporphyrinogen-IX.

Aliases: Coprogen oxidase antibody, COPROPORPHYRIA antibody, Coproporphyrinogen III oxidase antibody, Coproporphyrinogen Oxidase (CPOX) antibody, Coproporphyrinogen-III oxidase antibody, Coproporphyrinogenase antibody, COX antibody, CPO antibody, CpoX antibody, CPX antibody, HEM 6 antibody, Hem-6 antibody, Hem6 antibody, HEM6_HUMAN antibody, mitochondrial antibody

UniProt: [P36551](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

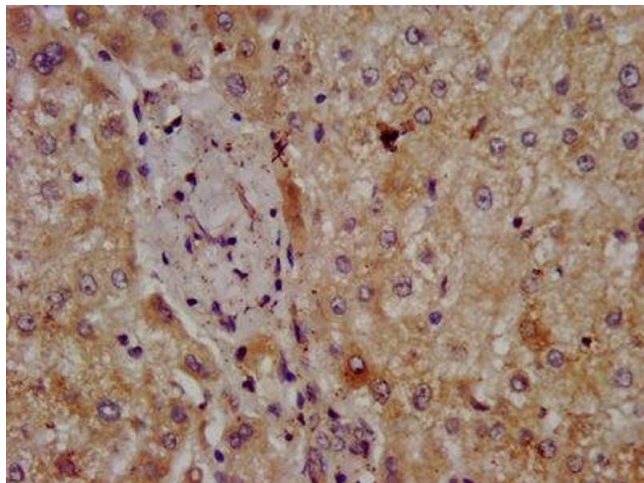
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

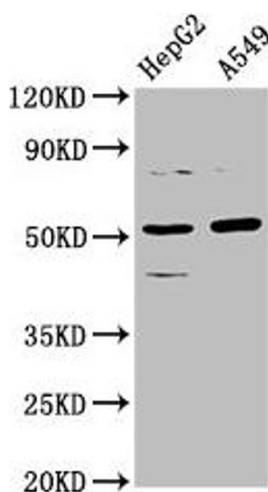
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



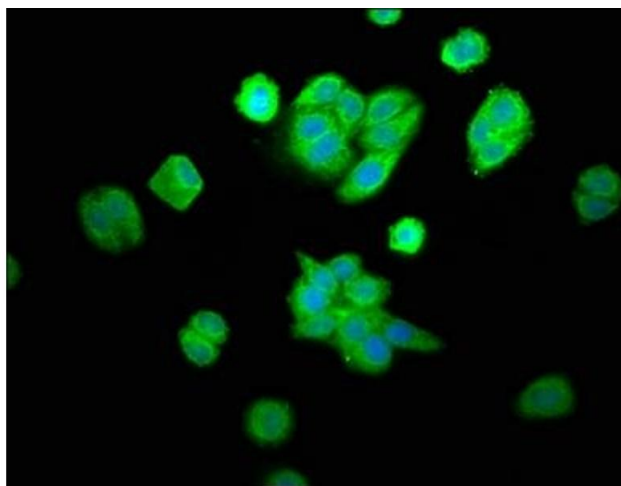
Immunohistochemistry

Image 1. IHC image of ABIN7162391 diluted at 1:300 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, A549 whole cell lysate All lanes: CPOX antibody at 5.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 51, 31 kDa Observed band size: 51 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7162391 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).