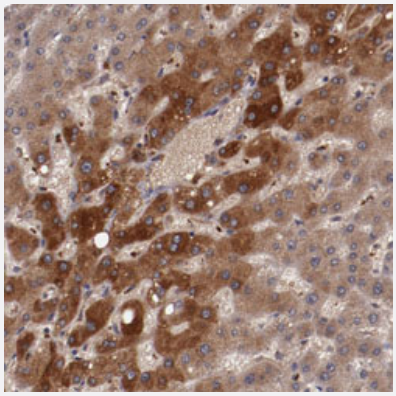
# CP polyclonal antibody

Catalog # PAB30320 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with CP polyclonal antibody (Cat # PAB30320) shows moderate cytoplasmic positivity in hepatocytes at 1:20-1:50 dilution.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against partial recombinant human CP. |
| **Immunogen** | Recombinant protein corresponding to human CP. |
| **Sequence** | YFSGNTYLWRGERRDTANLFPQTSLTLHMWPDTEGTFNVECLTTDHYTGGMKQKYTVNQCRRQS EDSTFYLGERTYYIAAVEVEWDYSPQREWEKELHHLQEQNVSNAFLDKGEFYIGSKYKKVVYRQY TDSTFRVPVERKAEEEHLGI |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50)<br>The optimal working dilution should be determined by the end user. |

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|---|---|
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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## Gene Info — CP

| | |
|---|---|
| **Entrez GeneID** | 1356 |
| **Protein Accession#** | P00450 |
| **Gene Name** | CP |
| **Gene Alias** | CP-2 |
| **Gene Description** | ceruloplasmin (ferroxidase) |
| **Omim ID** | 117700 604290 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a metalloprotein that binds most of the copper in plasma and is involved in the peroxidation of Fe(II)transferrin to Fe(III) transferrin. Mutations in this gene cause aceruloplasminemia, which results in iron accumulation and tissue damage, and is associated wit h diabetes and neurologic abnormalities. [provided by RefSeq |
| **Other Designations** | ceruloplasmin\|ferroxidase |

## Pathway

- Porphyrin and chlorophyll metabolism

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## Disease

- Abortion
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Anoxia
- Cognition
- Genetic Predisposition to Disease
- Parkinson disease

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