

For Research Use Only

# Ceruloplasmin Polyclonal antibody

Catalog Number: 21131-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 21131-1-AP	<b>GenBank Accession Number:</b> BC146663	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 1356	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00450	
<b>Isotype:</b> IgG	<b>Full Name:</b> ceruloplasmin (ferroxidase)	
<b>Immunogen Catalog Number:</b> AG15535	<b>Calculated MW:</b> 1065 aa, 122 kDa	
	<b>Observed MW:</b> 130-140 kDa, 85 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> human blood tissue, mouse brain tissue, human plasma tissue
<b>Species Specificity:</b> human, mouse	<b>IHC:</b> human hepatocirrhosis tissue, human tonsillitis tissue
<b>Cited Species:</b> 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**

## Background Information

Ceruloplasmin (CP) is a serum glycoprotein synthesized by hepatocytes and functions as the major transport protein of copper in blood where it acts as ferroxidase and is required for iron transport of transferrin. The intact ceruloplasmin migrated around 130-140 kDa and some proteolytic cleaved fragments could also be observed.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhong-Da Li	36443285	Cell Death Dis	WB, IF
Hai-Yan Chen	36433654	J Clin Pharmacol	WB
Shanshan Sha	35954297	Cells	WB, IHC

## 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:

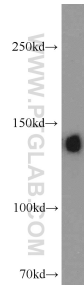
T: 4006900926

E: Proteintech-CN@ptglab.com

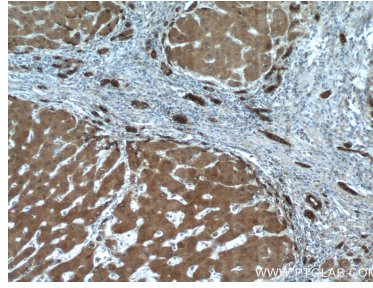
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## Selected Validation Data



human blood were subjected to SDS PAGE followed by western blot with 21131-1-AP (Ceruloplasmin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 21131-1-AP (Ceruloplasmin antibody) at dilution of 1:200 (under 10x lens).