

Anti-Ceruloplasmin antibody ab48614

★★★★★ [2 Abreviews](#) [13 References](#) [2 图像](#)

概述	
产品名称	Anti-Ceruloplasmin抗体
描述	兔多克隆抗体to Ceruloplasmin
宿主	Rabbit
经测试应用	适用于: IHC-P, IP, RIA, EIA, ELISA, ICC/IF, WB, IHC-FoFr
种属反应性	与反应: Human
免疫原	Human ceruloplasmin purified from human plasma
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49.98% PBS, 50% Glycerol (glycerin, glycerine)
纯度	Protein G purified
克隆	多克隆
同种型	IgG
应用	

The Abpromise guarantee      [Abpromise™](#) 承诺保证使用ab48614于以下的经测试应用

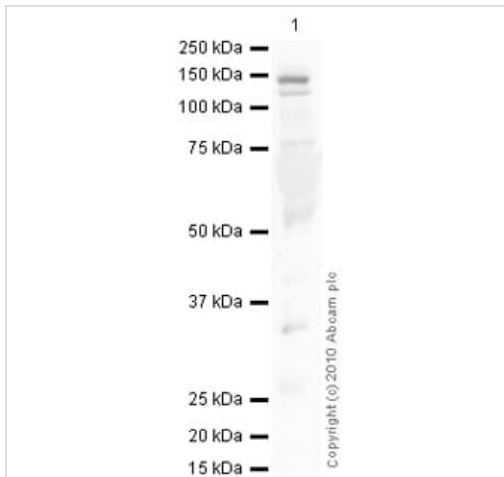
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 2 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
RIA		Use at an assay dependent concentration.
EIA		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 122 kDa.
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration.

## 靶标

功能	Ceruloplasmin is a blue, copper-binding (6-7 atoms per molecule) glycoprotein. It has ferroxidase activity oxidizing Fe(2+) to Fe(3+) without releasing radical oxygen species. It is involved in iron transport across the cell membrane.
组织特异性	Expressed by the liver and secreted in plasma.
疾病相关	<p>Defects in CP are the cause of aceruloplasminemia (ACERULOP) [MIM:604290]. It is an autosomal recessive disorder of iron metabolism characterized by iron accumulation in the brain as well as visceral organs. Clinical features consist of the triad of retinal degeneration, diabetes mellitus and neurological disturbances.</p> <p>Note=Ceruloplasmin levels are decreased in Wilson disease, in which copper cannot be incorporated into ceruloplasmin in liver because of defects in the copper-transporting ATPase 2.</p>
序列相似性	<p>Belongs to the multicopper oxidase family.</p> <p>Contains 3 F5/8 type A domains.</p> <p>Contains 6 plastocyanin-like domains.</p>
细胞定位	Secreted.

## 图片



Western blot - Anti-Ceruloplasmin antibody  
(ab48614)

Anti-Ceruloplasmin antibody (ab48614) at 1 µg/ml + Human  
Plasma Total Protein Lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at  
1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

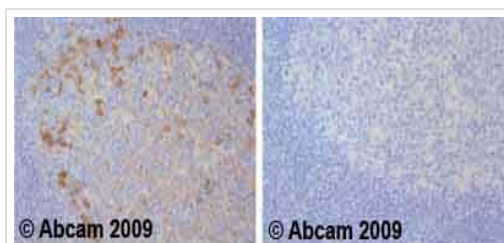
**Predicted band size:** 122 kDa

**Observed band size:** 122,148 kDa

**Additional bands at:** 34 kDa, 76 kDa. We are unsure as to the  
identity of these extra bands.

**Exposure time:** 30 seconds

Ceruloplasmin contains a number of potential glycosylation sites  
(SwissProt) which may explain its migration at a higher molecular  
weight than predicted (148 kDa).



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Ceruloplasmin antibody  
(ab48614)

Ab48614 staining human tonsil. Staining is localized to the  
cytoplasm.

Left panel: with primary antibody at 2 µg/ml. Right panel: isotype  
control.

Sections were stained using an automated system (Dako PT Link),  
at room temperature. Sections were rehydrated and antigen  
retrieved with the Dako 3-in-1 antigen retrieval buffer, EDTA pH 9.0.  
Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10  
minutes. They were then blocked with Dako Protein block for 10  
minutes (containing casein 0.25% in PBS) then incubated with  
primary antibody for 20 minutes and detected with Dako Envision  
Flex amplification kit for 30 minutes. Colorimetric detection was  
completed with diaminobenzidine for 5 minutes. Slides were

counterstained with Haematoxylin and coverslipped under DePeX.  
Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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