10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Ceruloplasmin Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11658

Specification

Ceruloplasmin Antibody - Product Information

Application	**WB**
Primary Accession	P00450
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**122219**

Ceruloplasmin Antibody - Additional Information

Gene ID 1356

Other Names
Ferroxidase, CP, CP-2

Target/Specificity
Ceruloplasmin

Formulation
100 µg (0.5 mg/ml) of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol.

Handling
The antibody solution should be gently mixed before use.

Background Descriptions

Precautions
Ceruloplasmin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Ceruloplasmin Antibody - Protein Information

Name CP

Function
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. Provides Cu(2+) ions for the ascorbate-mediated deaminase degradation of the heparan sulfate chains of GPC1. May also play a role in fetal lung development or pulmonary antioxidant defense (By similarity).

Cellular Location
Secreted. Cell membrane; Lipid-anchor, GPI-anchor. Note=Colocalizes with GCP1 in secretory intracellular compartments.

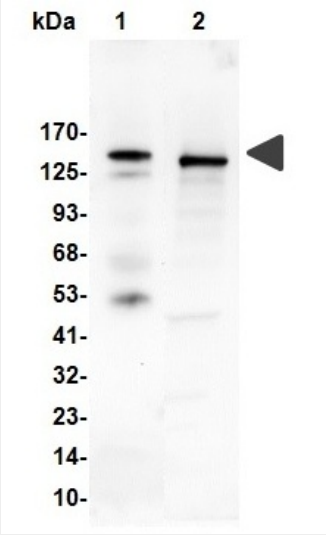
Tissue Location
Expressed by the liver and secreted in plasma.

Ceruloplasmin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

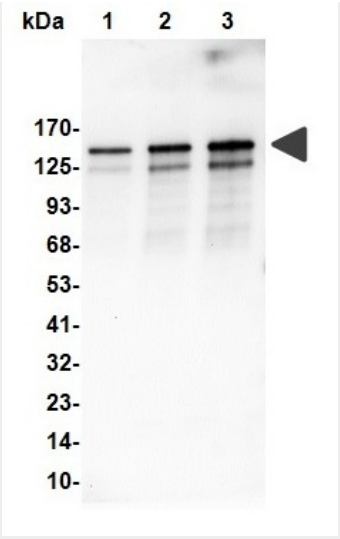
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Ceruloplasmin Antibody - Images



Western blot analysis of anti-Ceruloplasmin pAb in human serum and rat kidney.

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Dose-dependent western blot analysis of anti-Ceruloplasmin pAb. Lane1: 2ng human ceruloplasmin protein; Lane1: 5ng human ceruloplasmin protein; Lane1: 10ng human ceruloplasmin protein.

Ceruloplasmin Antibody - Background

Ceruloplasmin is a blue, copper-binding (6-7 atoms per molecule) glycoprotein. It has ferroxidase activity oxidizing Fe2+ to Fe3+ without releasing radical oxygen species. It is involved in iron transport across the cell membrane. Provides Cu2+ ions for the ascorbate-mediated deaminase degradation of the heparan sulfate chains of GPC1. May also play a role in fetal lung development or pulmonary antioxidant defense