

Ceruloplasmin Rabbit mAb
Catalog # AP78873**Specification****Ceruloplasmin Rabbit mAb - Product Information**

Application	WB
Primary Accession	P00450
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	122219

Ceruloplasmin Rabbit mAb - Additional Information

Gene ID 1356

Other Names

CP

Dilution

WB~~1/500-1/1000

Format

Liquid

Ceruloplasmin Rabbit mAb - Protein InformationName CP ([HGNC:2295](#))**Function**

Multifunctional 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 (PubMed:[16150804](http://www.uniprot.org/citations/16150804)). Copper ions provide a large number of enzymatic activities. Oxidizes highly toxic ferrous ions to the ferric state for further incorporation onto apo- transferrins, catalyzes Cu(+) oxidation and promotes the oxidation of biogenic amines such as norepinephrin and serotonin (PubMed:[14623105](http://www.uniprot.org/citations/14623105), PubMed:[4643313](http://www.uniprot.org/citations/4643313), PubMed:[5912351](http://www.uniprot.org/citations/5912351)). Provides Cu(2+) ions for the ascorbate-mediated deaminase degradation of the heparan sulfate chains of GPC1 (By similarity). Has glutathione peroxidase-like activity, can remove both hydrogen peroxide and lipid hydroperoxide in the presence of thiols (PubMed:[10481051](http://www.uniprot.org/citations/10481051)). Also shows NO-oxidase and NO2 synthase activities that determine endocrine NO homeostasis (PubMed:[16906150](http://www.uniprot.org/citations/16906150)).

Cellular Location

Secreted. Note=Colocalizes with GCP1 in secretory intracellular compartments
{ECO:0000250|UniProtKB:P13635}

Tissue Location

Expressed by the liver and secreted in plasma.

Ceruloplasmin Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ceruloplasmin Rabbit mAb - Images

