

Ceruloplasmin Rabbit mAb

Catalog No.: A20229 **Recombinant** **2 Publications**

Basic Information

Observed MW

140kDa

Calculated MW

122kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC5018-06

Background

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 with diabetes and neurologic abnormalities. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene.

Recommended Dilutions

WB	1:2000 - 1:6000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

1356

Swiss Prot

P00450

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 366-572 of human Ceruloplasmin (NP_000087.1).

Synonyms

CP-2; AB073614; Ceruloplasmin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

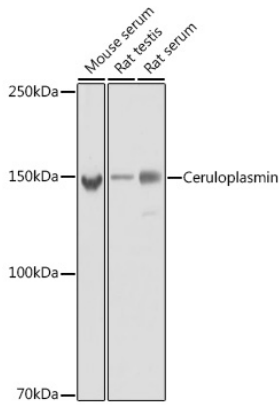
Affinity purification

Storage

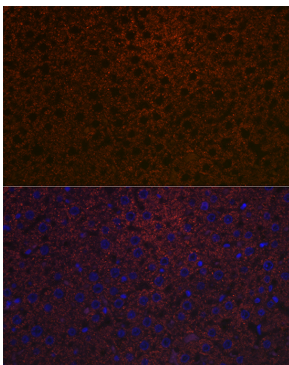
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,0.05% BSA,50% glycerol,pH7.3.

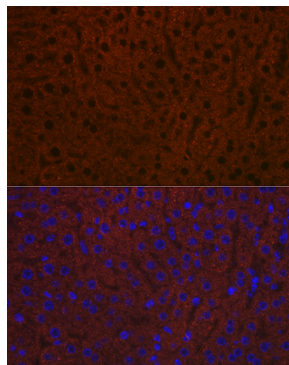
Validation Data



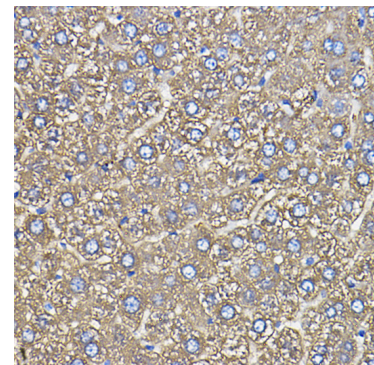
Western blot analysis of various lysates using Ceruloplasmin Rabbit mAb (A20229) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



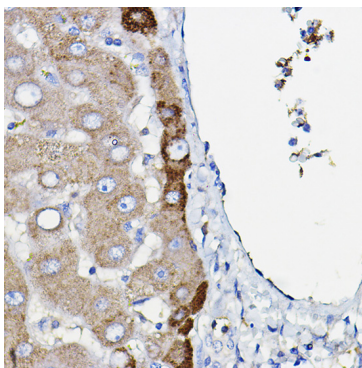
Immunofluorescence analysis of paraffin-embedded rat liver using Ceruloplasmin Rabbit mAb (A20229) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



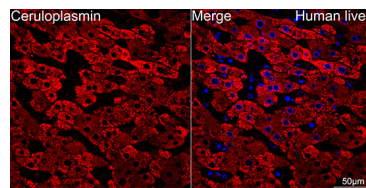
Immunofluorescence analysis of paraffin-embedded mouse liver using Ceruloplasmin Rabbit mAb (A20229) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded rat liver using Ceruloplasmin Rabbit mAb (A20229) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human liver using Ceruloplasmin Rabbit mAb (A20229) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Confocal imaging of human liver using Ceruloplasmin Rabbit mAb (A20229, at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.