

Product datasheet

Anti-Ceruloplasmin antibody [EPSISR6-12] ab131220

Recombinant RabMAb

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Overview

Product name	Anti-Ceruloplasmin antibody [EPSISR6-12]
Description	Rabbit monoclonal [EPSISR6-12] to Ceruloplasmin
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human plasma; Human fetal kidney lysate; Rat liver lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPSISR6-12
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab131220 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

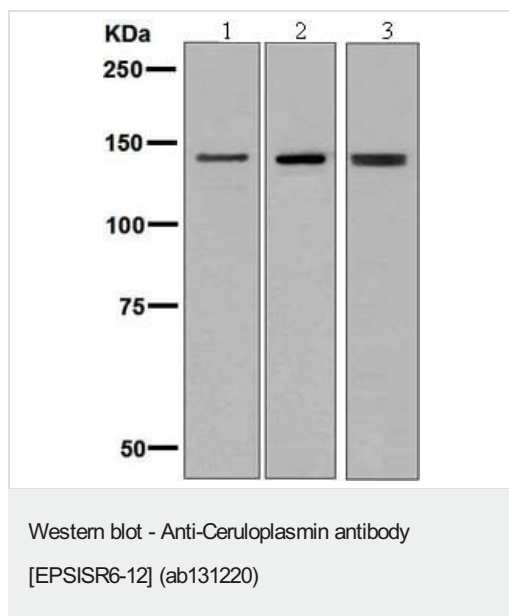
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 132 kDa (predicted molecular weight: 122 kDa).

Application notes Is unsuitable for IHC-P or IP.

Target

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.
Tissue specificity	Expressed by the liver and secreted in plasma.
Involvement in disease	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. 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.
Sequence similarities	Belongs to the multicopper oxidase family. Contains 3 F5/8 type A domains. Contains 6 plastocyanin-like domains.
Cellular localization	Secreted.

Images



All lanes : Anti-Ceruloplasmin antibody [EPSISR6-12] (ab131220)
at 1/1000 dilution

Lane 1 : Human plasma lysate

Lane 2 : Human fetal kidney lysate

Lane 3 : Rat liver lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 122 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Ceruloplasmin antibody [EPSISR6-12]
(ab131220)

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

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