

ARG10769 anti-Ceruloplasmin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Ceruloplasmin
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Ceruloplasmin
Species	Human
Immunogen	Synthetic peptide around aa. 20-259 of Human Ceruloplasmin.
Conjugation	Un-conjugated
Alternate Names	Ceruloplasmin; CP-2; EC 1.16.3.1; Ferroxidase

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

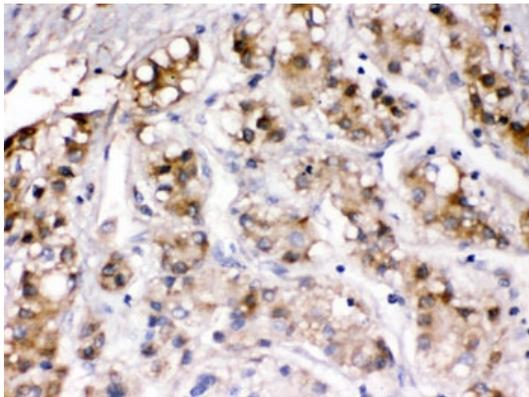
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

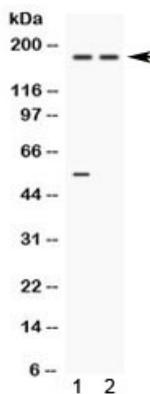
Database links	GeneID: 1356 Human Swiss-port # P00450 Human
Gene Symbol	CP
Gene Full Name	ceruloplasmin (ferroxidase)
Background	The protein encoded by this gene is a metalloprotein that binds most of the copper in plasma and is involved in the peroxidation of Fe(II)transferrin to Fe(III) transferrin. 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. [provided by RefSeq, Feb 2012]
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). [UniProt]
Calculated Mw	~130 kDa. The ~180 kDa may represent the glycosylated form of the protein.

Images



ARG10769 anti-Ceruloplasmin antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human liver cancer tissue stained with ARG10769 anti-Ceruloplasmin antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



ARG10769 anti-Ceruloplasmin antibody WB image

Western: 1) 22RV1, and 2) A549 cell lysates stained with ARG10769 anti-Ceruloplasmin antibody.