Rabbit anti-Human, mouse CP Polyclonal Antibody | anti-CP antibody

CP Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286184	**Rabbit**	**Human, mouse**	**Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay**

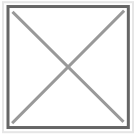
PRODUCT SYNONYMS

CP; Polyclonal Antibody; CP Antibody (N-term); Ceruloplasmin; Ferroxidase; anti-CP antibody

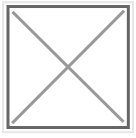
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 121-151 amino acids from the N-terminal region of human CP.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	121-151
Sequence Length	1,065
Applicable Applications for anti-CP antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

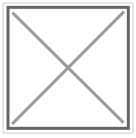
IMAGES



FCM/FACS (Flow Cytometry)
CP Antibody (N-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
CP Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CP Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CP Antibody (N-term) western blot analysis in human blood plasma tissue lysates (35ug/lane).This demonstrates the CP antibody detected the CP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CP antibody	CP 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 protein cause aceruloplasminemia, which results in iron accumulation and tissue damage, and is associated with diabetes and neurologic abnormalities.
Product Categories/Family for anti-CP antibody	Crown Antibodies; Cardiovascular; Signal Transduction
References	Park,Y., Lee,I.S. Arch. Pharm. Res. 32 (5), 693-698 (2009) Altamura,C., Squitti,R. Stroke 40 (4), 1282-1288 (2009) Squitti,R., Quattrocchi,C.C. Prion 2 (1), 23-27 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557485
NCBI GeneID	1356
NCBI Accession #	NP_000087.1
NCBI GenBank Nucleotide #	NM_000096.3
UniProt Accession #	P00450; Q14063; Q2PP18; Q9UKS4
Molecular Weight	122205
NCBI Official Full Name	ceruloplasmin
NCBI Official Synonym Full Names	ceruloplasmin (ferroxidase)
NCBI Official Symbol	CP
NCBI Official Synonym Symbols	CP-2
NCBI Protein Information	ceruloplasmin
UniProt Protein Name	Ceruloplasmin
UniProt Gene Name	**CP**
UniProt Entry Name	CERU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/cp-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/286184