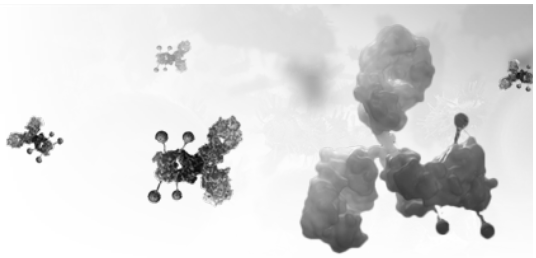

Anti-Ceruloplasmin polyclonal antibody (CPBT-65875SH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep anti Human ceruloplasmin antibody detects ceruloplasmin, a ~132kDa metalloprotein that is secreted into the plasma by liver hepatocytes and activated monocytes/macrophages. Ceruloplasmin functions in copper transport, iron homeostasis, antioxidant defence, angiogenesis and coagulation. Deficiency in ceruloplasmin is termed aceruloplasminemia, an autosomal recessive disorder which leads to iron accumulation and tissue damage, in particular in the brain and visceral organs. Clinical features include retinal degeneration, diabetes mellitus and neurological disturbances. Elevated plasma ceruloplasmin has been shown to pose an increased risk in atherosclerosis and myocardial infarction. ELISA This antibody has been used at dilutions as high as 1/400K in a simple ELISA with 0.1 µg of antigen coated per well.
Specificity	CP
Target	Ceruloplasmin
Immunogen	Highly pure human ceruloplasmin
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA
Format	Purified IgG - liquid
Size	1 ml
Preservative	0.09% Sodium Azide

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Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CP ceruloplasmin (ferroxidase) [Homo sapiens (human)]
Official Symbol	CP
Synonyms	CP; ceruloplasmin (ferroxidase); CP-2; ceruloplasmin;
Entrez Gene ID	1356
Protein Refseq	NP_000087
UniProt ID	P00450
Chromosome Location	3q23-q25
Pathway	HIF-1-alpha transcription factor network; Iron uptake and transport; Metal ion SLC transporters; Porphyrin and chlorophyll metabolism; SLC-mediated transmembrane transport; Transmembrane transport of small molecules; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds;
Function	chaperone binding; copper ion binding; ferroxidase activity;

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