

Anti-Ceruloplasmin monoclonal antibody, clone 7dw5 (CABT-24888MH)

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

PRODUCT INFORMATION

Antigen Description	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. Mouse monoclonal antibody raised against partial recombinant CP.
Target	Ceruloplasmin
Immunogen	Recombinant protein corresponding to amino acids 933-1065 of human CP.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	7dw5
Conjugate	Unconjugated
Applications	WB,ELISA
Recommended Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Procedure	Cardiac markers Antibodies
Format	Liquid
Size	100 µl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

Buffer	In citrate-Tris-HCl, pH 7.0 (0.02% Proclin 300)
Preservative	None
Storage	4°C or -20°C for longer storage

GENE INFORMATION

Gene Name	CP ceruloplasmin (ferroxidase) [Homo sapiens]
Official Symbol	CP
Synonyms	ceruloplasmin (ferroxidase); OTTHUMP00000215841; EC 1.16.3.1; ceruloplasmin; CP-2; Ferroxidase; OTTHUMP00000215840; OTTHUMP00000197026
Entrez Gene ID	1356
Protein Refseq	NP_000087
UniProt ID	A5PL27
Chromosome Location	3q23-q25
Pathway	HIF-1-alpha transcription factor network, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Metal ion SLC transporters, organism-specific biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem; Porphyrin and chlorophyll metabolism, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem
Function	chaperone binding; copper ion binding; ferroxidase activity; metal ion binding; oxidoreductase activity; protein binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved