

CERU Rabbit pAb

CatalogNo: YN0581

| Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 117kD (Observed)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity CERU Polyclonal Antibody detects endogenous levels of protein.

| Target Information

Gene name CP

Protein Name	Ceruloplasmin (Ferroxidase)		
	Organism	Gene ID	UniProt ID
	Human	1356;	P00450;
	Mouse		Q61147;
	Rat		P13635;
Cellular Localization	Secreted. Colocalizes with GCP1 in secretory intracellular compartments. .		
Tissue specificity	Expressed by the liver and secreted in plasma.		
Function	Catalytic activity:4 Fe(2+) + 4 H(+) + O(2) = 4 Fe(3+) + 2 H(2)O.,cofactor:Binds 6 copper ions per monomer.,Disease: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.,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.,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.,online information:Ceruloplasmin entry,similarity:Belongs to the multicopper oxidase family.,similarity:Contains 3 F5/8 type A domains.,similarity:Contains 6 plastocyanin-like domains.,tissue specificity:Expressed by the liver and secreted in plasma.,		

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:
CERU Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)