

# Product Datasheet

## CCS/SOD4 Antibody (1E2) - Azide and BSA Free H00009973-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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Updated 2/21/2025 v.20.1

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**H00009973-M03**

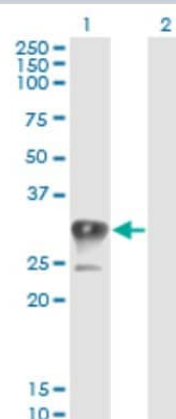
CCS/SOD4 Antibody (1E2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	9973
Gene Symbol	CCS
Species	Human
Specificity/Sensitivity	Reacts with copper chaperone for superoxide dismutase.
Immunogen	CCS (NP_005116, 175 a.a. ~ 274 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. ADGRAIFRMEDEQLKVWDVIGRSLIIDEGEDDLGRGGHPLSKITGNSGERLACG IIARSAGLFQNPQKQICSCDGLTIWEERGRPIAGKGRKESAPPAHL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	This antibody is reactive against recombinant protein in western blot and ELISA.

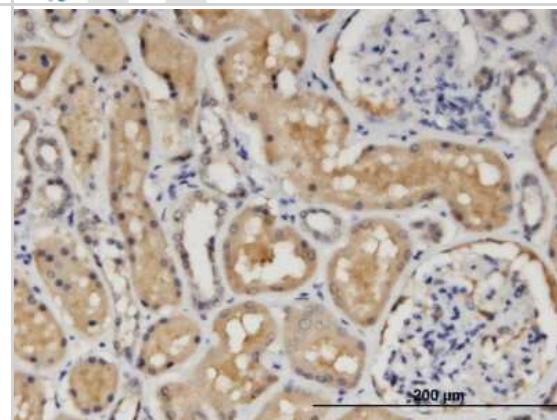


## Images

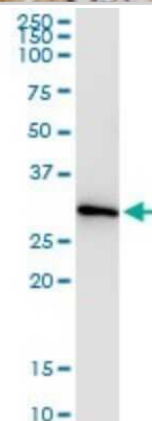
Western Blot: CCS/SOD4 Antibody (1E2) [H00009973-M03] - Analysis of CCS expression in transfected 293T cell line by CCS monoclonal antibody (M03), clone 1E2. Lane 1: CCS transfected lysate (Predicted MW: 29 KDa). Lane 2: Non-transfected lysate.



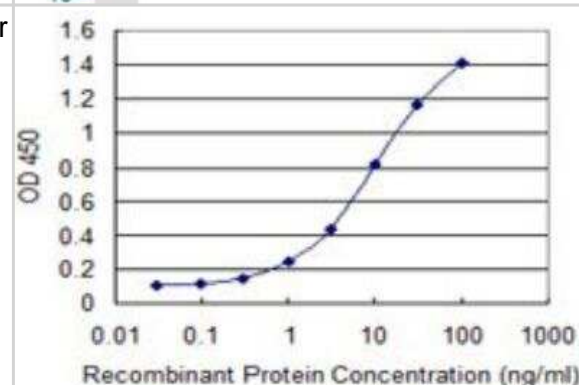
Immunohistochemistry-Paraffin: CCS/SOD4 Antibody (1E2) [H00009973-M03] - Analysis of monoclonal antibody to CCS on formalin-fixed paraffin-embedded human kidney. Antibody concentration 1.5 ug/ml



Immunoprecipitation: CCS/SOD4 Antibody (1E2) [H00009973-M03] - Analysis of CCS transfected lysate using anti-CCS monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CCS monoclonal antibody.



ELISA: CCS/SOD4 Antibody (1E2) [H00009973-M03] - Detection limit for recombinant GST tagged CCS is 0.1 ng/ml as a capture antibody.



## Publications

Spinazzi M, Sghirlanzoni A, Salviati L, Angelini C. Impaired Copper and Iron Metabolism in Blood Cells and Muscles of Patients Affected by Copper Deficiency Myeloneuropathy. Neuropathol Appl Neurobiol. 2014-11-17 [PMID: 24708542]



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### **Products Related to H00009973-M03**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-48393-0.1mg	Recombinant Human CCS/SOD4 His Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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