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Anti-CCS Antibody

Catalog # AP54072

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O14618
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29041

Additional Information

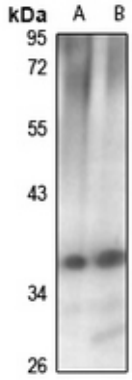
Gene ID	9973
Other Names	Copper chaperone for superoxide dismutase; Superoxide dismutase copper chaperone
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CCS. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

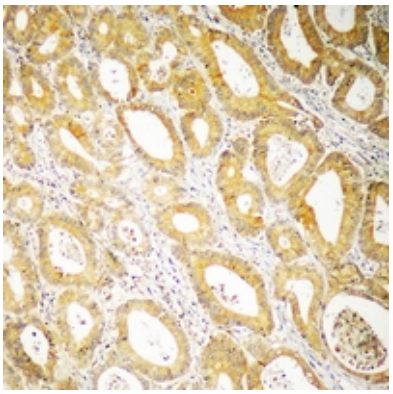
Protein Information

Name	CCS (HGNC:1613)
Function	Delivers copper to copper zinc superoxide dismutase (SOD1).
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Ubiquitous.

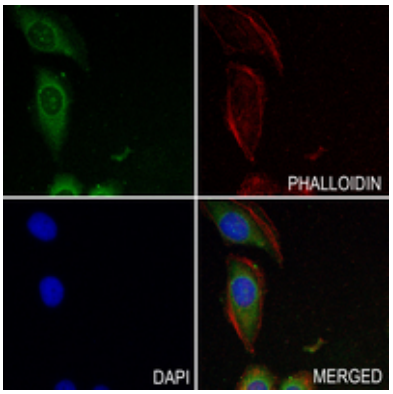
Images

Western blot analysis of CCS expression in mouse testis (A), rat kidney (B) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 35 kD)

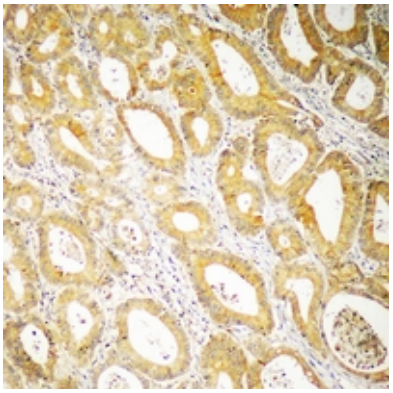




Immunohistochemical analysis of CCS staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CCS staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.