

**Product Name: CCS Rabbit Polyclonal Antibody****Catalog #: APRab08169**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Rabbit polyclonal Antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,IHC,ICC/IF,ELISA   |
| <b>Reactivity</b>    | Human,Rat,Mouse   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Polyclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                       |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| <b>Purification</b>  | Affinity purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | 32kDa  |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | CCS   |
| <b>Alternative Names</b> | CCS; Copper chaperone for superoxide dismutase; Superoxide dismutase copper chaperone           |
| <b>Gene ID</b>           | 9973.0  |
| <b>SwissProt ID</b>      | O14618  |
| <b>Immunogen</b>         | The antiserum was produced against synthesized peptide derived from human CCS. AA range:225-274 |

**Background**

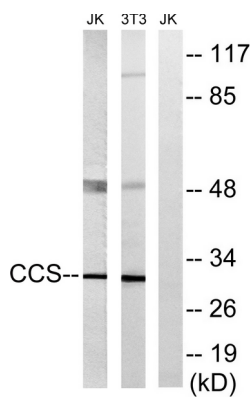
Copper chaperone for superoxide dismutase specifically delivers Cu to copper/zinc superoxide dismutase and may activate

copper/zinc superoxide dismutase through direct insertion of the Cu cofactor. [provided by RefSeq, Jul 2008],cofactor: Binds 1 zinc ion per subunit.,cofactor: Binds 2 copper ions per subunit.,function: Delivers copper to copper zinc superoxide dismutase (SOD1).,similarity: Contains 1 HMA domain.,similarity: In the C-terminal section; belongs to the Cu-Zn superoxide dismutase family.,subunit: Homodimer, and heterodimer with SOD1.,tissue specificity: Ubiquitous.,

## Research Area

Amyotrophic lateral sclerosis (ALS);

## Image Data



Western blot analysis of lysates from NIH/3T3 and Jurkat cells, using CCS Antibody. The lane on the right is blocked with the synthesized peptide.