

Rabbit anti-Human, Mouse CCS/SOD4 Polyclonal Antibody | anti-CCS antibody

CCS/SOD4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324643	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CCS/SOD4; Polyclonal Antibody; CCS/SOD4 Antibody; CCS; CCS_HUMAN; Copper chaperone for superoxide dismutase; MGC138260; SOD 4; SOD4; Superoxide dismutase copper chaperone; anti-CCS antibody

PRODUCT SPECIFICATIONS

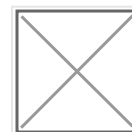
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CCS antibody detects endogenous levels of total CCS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	274
Applicable Applications for anti-CCS antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit
Similarity	Pig (80%), Horse (90%), Sheep (80%), Rabbit (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324643 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CCS antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CCS antibody	Function: Delivers copper to copper zinc superoxide dismutase (SOD1). Subunit Structure: Homodimer, and heterodimer with SOD1. Interacts with COMMD1. Interacts with XIAP/BIRC4. Post-translational Modifications: Ubiquitination by XIAP/BIRC4 leads to enhancement of its chaperone activity toward its physiologic target, SOD1, rather than proteasomal degradation. XIAP/BIRC4 preferentially ubiquitinates at Lys-241. Similarity: In the C-terminal section; belongs to the Cu-Zn superoxide dismutase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826665
NCBI GeneID	9973
NCBI Accession #	NP_005116.1
NCBI GenBank Nucleotide #	NM_005125.1
UniProt Accession #	O14618; Q2M366; Q8NEV0
Molecular Weight	Observed: 32 kD Predicted: 30 kDa
NCBI Official Full Name	copper chaperone for superoxide dismutase
NCBI Official Synonym Full Names	copper chaperone for superoxide dismutase
NCBI Official Symbol	CCS
NCBI Protein Information	copper chaperone for superoxide dismutase
UniProt Protein Name	Copper chaperone for superoxide dismutase
UniProt Gene Name	CCS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccs-sod4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324643>