

CCS Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14113c**Specification**

CCS Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O14618](#)**CCS Antibody (Center) Blocking peptide - Additional Information****Gene ID** 9973**Other Names**

Copper chaperone for superoxide dismutase, Superoxide dismutase copper chaperone, CCS

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14113c was selected from the Center region of CCS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CCS Antibody (Center) Blocking peptide - Protein Information**Name** CCS ([HGNC:1613](#))**Function**

Delivers copper to copper zinc superoxide dismutase (SOD1).

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitous.

CCS Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CCS Antibody (Center) Blocking peptide - Images

CCS Antibody (Center) Blocking peptide - 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.

CCS Antibody (Center) Blocking peptide - References

Brady, G.F., et al. Mol. Cell. Biol. 30(8):1923-1936(2010) Winkler, D.D., et al. Biochemistry 48(15):3436-3447(2009) Barry, A.N., et al. Biochemistry 47(49):13074-13083(2008) Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008) Furukawa, Y., et al. J. Biol. Chem. 283(35):24167-24176(2008)