

MOCOS Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP4881b**Specification**

MOCOS Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96EN8](#)**MOCOS Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 55034**Other Names**

Molybdenum cofactor sulfurase {ECO:0000255|HAMAP-Rule:MF_03050}, MCS {ECO:0000255|HAMAP-Rule:MF_03050}, MOS {ECO:0000255|HAMAP-Rule:MF_03050}, MoCo sulfurase {ECO:0000255|HAMAP-Rule:MF_03050}, hMCS, 2819 {ECO:0000255|HAMAP-Rule:MF_03050}, Molybdenum cofactor sulfurtransferase {ECO:0000255|HAMAP-Rule:MF_03050}, MOCOS {ECO:0000255|HAMAP-Rule:MF_03050}

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.

MOCOS Antibody (C-term) Blocking Peptide - Protein Information**Name** MOCOS {ECO:0000255|HAMAP-Rule:MF_03050}**Function**

Sulfurates the molybdenum cofactor. Sulfation of molybdenum is essential for xanthine dehydrogenase (XDH) and aldehyde oxidase (ADO) enzymes in which molybdenum cofactor is liganded by 1 oxygen and 1 sulfur atom in active form. In vitro, the C-terminal domain is able to reduce N-hydroxylated prodrugs, such as benzamidoxime.

MOCOS Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MOCOS Antibody (C-term) Blocking Peptide - Images

MOCOS Antibody (C-term) Blocking Peptide - Background

MOCOS sulfurates the molybdenum cofactor of xanthine dehydrogenase (XDH; MIM 607633) and aldehyde oxidase (AOX1; MIM 602841), which is required for their enzymatic activities.

MOCOS Antibody (C-term) Blocking Peptide - References

Smith, M.A., et al. Aliment. Pharmacol. Ther. 30(4):375-384(2009) Peretz, H., et al. Mol. Genet. Metab. 91(1):23-29(2007) Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)