

**MOCS1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10254b****Specification**

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**MOCS1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession  
Other Accession

[O9NZB8](#)  
[O9HAP2](#), [NP\\_055753.3](#)

**MOCS1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 4337

**Other Names**

Molybdenum cofactor biosynthesis protein 1, Cell migration-inducing gene 11 protein, Molybdenum cofactor synthesis-step 1 protein A-B, Cyclic pyranopterin monophosphate synthase, Molybdenum cofactor biosynthesis protein A, Cyclic pyranopterin monophosphate synthase accessory protein, Molybdenum cofactor biosynthesis protein C, MOCS1

**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.

**MOCS1 Antibody (C-term) Blocking peptide - Protein Information**

**Name** MOCS1

**Function**

Isoform MOCS1A and isoform MOCS1B probably form a complex that catalyzes the conversion of 5'-GTP to cyclic pyranopterin monophosphate (cPMP). MOCS1A catalyzes the cyclization of GTP to (8S)- 3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate and MOCS1B catalyzes the subsequent conversion of (8S)-3',8-cyclo-7,8-dihydroguanosine 5'- triphosphate to cPMP.

**Tissue Location**

Isoform MOCS1A and isoform 2 are widely expressed.

**MOCS1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **MOCS1 Antibody (C-term) Blocking peptide - Images**

### **MOCS1 Antibody (C-term) Blocking peptide - Background**

MONDOA forms heterodimers with MLX (MIM 602976) that can bind to and activate transcription from CACGTG E boxes (Billin et al., 2000 [PubMed 11073985]).

### **MOCS1 Antibody (C-term) Blocking peptide - References**

Peterson, C.W., et al. Mol. Cell. Biol. 30(12):2887-2895(2010) Kaadige, M.R., et al. Proc. Natl. Acad. Sci. U.S.A. 106(35):14878-14883(2009) Stoltzman, C.A., et al. Proc. Natl. Acad. Sci. U.S.A. 105(19):6912-6917(2008) Sans, C.L., et al. Mol. Cell. Biol. 26(13):4863-4871(2006) Bornhauser, B.C., et al. J. Biol. Chem. 278(37):35412-35420(2003)