

MOCS1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10254b

Specification

MOCS1 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9NZB8
Other Accession	NP_005934.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70105
Antigen Region	462-490

MOCS1 Antibody (C-term) - 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

Target/Specificity

This MOCS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 462-490 amino acids from the C-terminal region of human MOCS1.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MOCS1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MOCS1 Antibody (C-term) - 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.

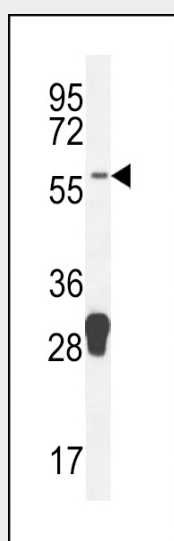
Tissue Location

Isoform MOCS1A and isoform 2 are widely expressed.

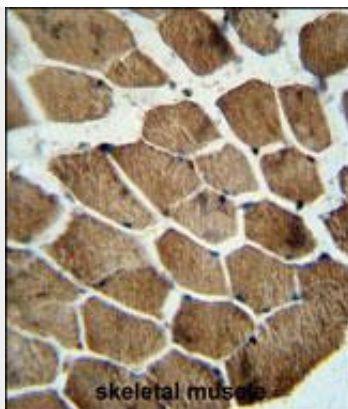
MOCS1 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MOCS1 Antibody (C-term) - Images

MOCS1 Antibody (C-term) (Cat. #AP10254b) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the MOCS1 antibody detected the MOCS1 protein (arrow).



MOCS1 antibody (C-term) (Cat. #AP10254b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MOCS1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MOCS1 Antibody (C-term) - 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) - References

Peterson, C.W., et al. Mol. Cell. Biol. 30(12):2887-2895(2010)
Kadige, 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)