

AP52721PU-N**Polyclonal Antibody to MOCS2 (N-term) - Aff - Purified****Alternate names:**

MCBPE, MOCO1, Molybdopterin synthase catalytic subunit

Quantity:

0.4 ml

Concentration:

lot specific

Background:

Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits.

Uniprot ID:[O96007](#)**NCBI:**[NP_004522](#)**GeneID:**[4338](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 13-43 amino acids from the N-terminal region of human MOCS2

Format:**State:** Liquid purified Ig fraction**Purification:** Protein A column, followed by peptide affinity purification**Buffer System:** PBS containing 0.09% (W/V) Sodium Azide as preservative**Applications:****ELISA:** 1/1000.**Western Blot:** 1/100-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes Human MOCS2 (N-term).

Add. Information:**Molecular Weight:** 20944 Da**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Per, H., et al. Brain Dev. 29(6):365-368(2007)

Hahnewald, R., et al. Mol. Genet. Metab. 89(3):210-213(2006)

Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)

Leimkuhler, S., et al. Hum. Genet. 117(6):565-570(2005)

Matthies, A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(16):5946-5951(2004)

Pictures:

Western blot analysis of MOCS2 Antibody (N-term) Cat.-No AP52721PU-N in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MOCS2 antibody detected the MOCS2 protein (arrow).

