Order: (888)-282-5810 (Phone)
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MOCOS (N) Antibody, Rabbit Polyclonal

Cat#: R1047-1

Lot#: Refer to vial

Quantity: 100 ul

Application: WB

Predicted M.W.: 98 kDa

Uniprot ID: Q96EN8

Background:

Molybdenum cofactor sulfurase (MOCOS) belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. It 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. Defects in MOCOS are the cause of xanthinuria type 2 (XU2). Patients suffering XU2 cannot metabolize allopurinol into oxypurinol due to dual deficiency of xanthine dehydrogenase and aldehyde oxidase.

Other Names:

Molybdenum cofactor sulfurase, MCS, MOS, MoCo sulfurase, hMCS

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human MOCOS. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:500-1:1,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

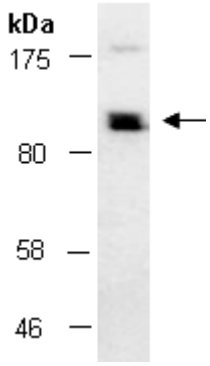

Fig 1. *Western blot of total cell extracts from human HepG2, using Ab (R1047-1) at RT for 2 h.*

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