A14343

Leader in Biomolecular Solutions for Life Science

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MOCOS Rabbit pAb

Catalog No.: A14343

Basic Information

Observed MW
98kDa

Calculated MW
98kDa

Category
Mouse Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

Background

This gene encodes an enzyme that sulfurates the molybdenum cofactor which is required for activation of the xanthine dehydrogenase (XDH) and aldehyde oxidase (AO) enzymes. XDH catalyzes the conversion of hypoxanthine to uric acid via xanthine, as well as the conversion of allopurinol to oxypurinol, and pyrazinamide to 5-hydroxy pyrazinamide. Mutations in this gene cause the metabolic disorder classical xanthinuria type II which is characterized by the loss of XDH/XO and AO enzyme activity, decreased levels of uric acid in the urine, increased levels of xanthine and hypoxanthine in the serum and urine, formation of xanthine stones in the urinary tract, and myositis due to tissue deposition of xanthine.

Recommended Dilutions

WB	1:500 - 1:2000

Immunogen Information

Gene ID
55034

Swiss Prot
Q96EN8

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 649-888 of human MOCOS (NP_060417.2).

Synonyms
MCS; MOS; HMCS; MOCOS

Contact

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Product Information

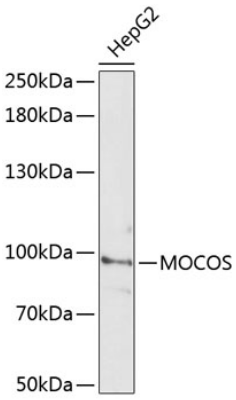
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HepG2 cells, using MOCOS Rabbit pAb (A14343) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.