

For Research Use Only

MOCOS Polyclonal antibody

Catalog Number: 16395-1-AP



Basic Information

Catalog Number: 16395-1-AP	GenBank Accession Number: BC012079	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55034	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: molybdenum cofactor sulfurase	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 888 aa, 98 kDa	
Immunogen Catalog Number: AG9487	Observed MW: 98 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : HepG2 cells,
	IHC : human liver tissue,
	IF : HepG2 cells,

Background Information

MOCOS (Molybdenum cofactor sulfurase) is also named as MCS, MOS, hMCS and belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. It catalyzes the removal of elemental sulfur from cysteine to produce alanine. 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. Defects in MOCOS are the cause of xanthinuria type 2 (XU2)(PMID:17368066).

Storage

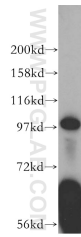
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

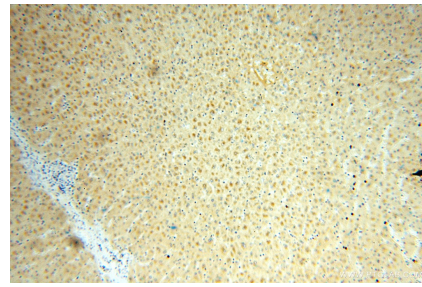
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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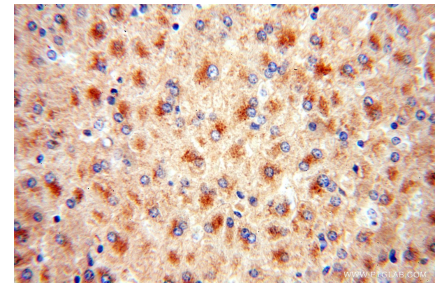
Selected Validation Data



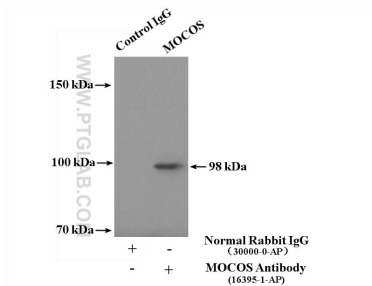
HepG2 cells were subjected to SDS PAGE followed by western blot with 16395-1-AP (MOCOS antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



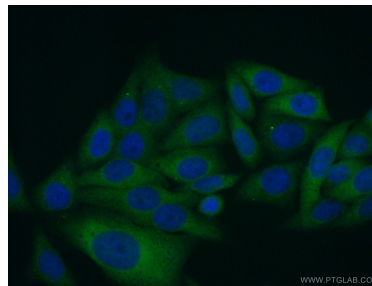
Immunohistochemical analysis of paraffin-embedded human liver using 16395-1-AP (MOCOS antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16395-1-AP (MOCOS antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-MOCOS (IP:16395-1-AP, 4 μ g; Detection:16395-1-AP 1:300) with HepG2 cells lysate 4000 μ g.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 16395-1-AP (MOCOS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).