

For Research Use Only

MOCS1 Polyclonal antibody

Catalog Number: 31550-1-AP



Basic Information

Catalog Number: 31550-1-AP	GenBank Accession Number: NM_001075098	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 4337	Recommended Dilutions: WB: 1:1000-1:6000 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NZB8	
Isotype: IgG	Full Name: molybdenum cofactor synthesis 1	
Immunogen Catalog Number: AG35879	Calculated MW: 70kDa	
	Observed MW: 40-43 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, mouse liver tissue, rat liver tissue
Species Specificity: human, mouse, rat	IF/ICC : Jurkat cells,

Background Information

MOCS1 (Molybdenum cofactor synthesis 1), also known as MOCS1A, MOCS1B, MOCOD, plays a crucial role in the biosynthesis of molybdenum cofactor and molybdopterin, which are essential for the activity of several key enzymes involved in carbon, nitrogen, and sulfur metabolism. MOCS1 produces two functional proteins, MOCS1A and MOCS1B, which follow different translocation routes before mitochondrial matrix import for cPMP biosynthesis involving both proteins (PMID: 31996372). MOCS1 was tumor suppressor gene affecting survival positively, while the other genes were oncogenes whose high expression was associated with poor survival (PMID: 37120564). The MOCS1 protein exists multiple isoforms.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

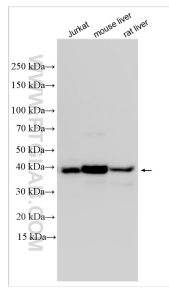
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

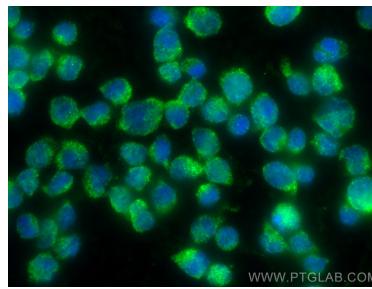
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31550-1-AP (MOCS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using MOCS1 antibody (31550-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).