

MOCS3 Polyclonal antibody

Catalog Number: 27501-1-AP

Basic Information

Catalog Number: 27501-1-AP	GenBank Accession Number: BC015939	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 27304	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O95396	
Isotype: IgG	Full Name: molybdenum cofactor synthesis 3	
Immunogen Catalog Number: AG26596	Calculated MW: 50 kDa Observed MW: 50 kDa, 65 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : HepG2 cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver cancer tissue, human heart tissue

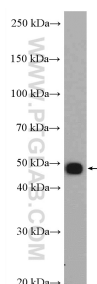
Background Information

MOCS3, also named as molybdenum cofactor synthesis 3 and UBA4. The human MOCS3 protein contains an N-terminal domain similar to the Escherichia coli MoeB protein and a C-terminal segment displaying similarities to the sulfurtransferase rhodanese. MOCS3 is proposed to catalyze both the adenylation and the subsequent generation of a thiocarboxylate group at the C-terminus of the smaller subunit of molybdopterin (MPT) synthase during Moco biosynthesis in humans (PMID: 15910006). MOCS3 has a calculated molecular weight of 50 kDa and can be detected another band of 65 kDa due to urmylation (PMID: 21209336).

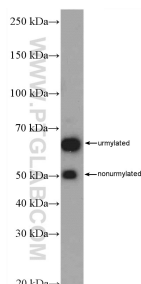
Storage

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

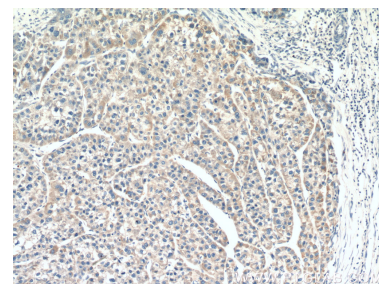
Selected Validation Data



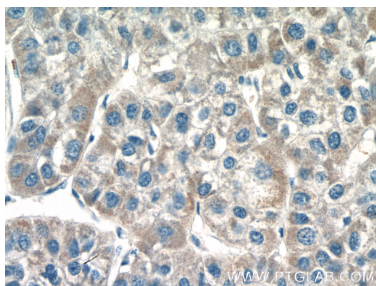
MCF-7 cells were subjected to SDS PAGE followed by western blot with 27501-1-AP (MOC53 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 27501-1-AP (MOC53 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27501-1-AP (MOC53 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27501-1-AP (MOC53 antibody) at dilution of 1:200 (under 40x lens).