

For Research Use Only

MTF1 Polyclonal antibody

Catalog Number: 25383-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number:

25383-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21848

GenBank Accession Number:

BC014454

GeneID (NCBI):

4520

UNIPROT ID:

Q14872

Full Name:

metal-regulatory transcription factor

1

Calculated MW:

753 aa, 81 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, ChIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, fish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse liver tissue, Jurkat cells, mouse brain tissue, mouse heart tissue, mouse skeletal muscle tissue

IHC: human liver tissue,

Background Information

Metal regulatory transcription factor 1 (MTF1), contains six C2H2-type zinc finger and localizes in the nucleus. MTF1 is a 753 amino acid protein and calculated molecular weight is 81 kDa. We always detected a 65-70 protein by western blot. MTF1 binds to the metal responsive element and activates the metallothionein I promoter.

Notable Publications

Author	Pubmed ID	Journal	Application
Sidi Yang	31569998	FASEB J	
Shu-Wei Chen	34769475	Int J Mol Sci	WB
Xuelei Ruan	32464546	Mol Ther Nucleic Acids	WB

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

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

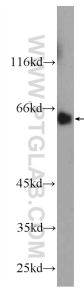
T: 4006900926

E: Proteintech-CN@ptglab.com

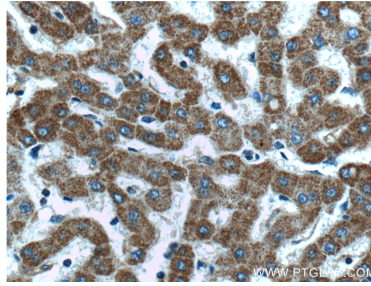
W: ptgcn.com

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Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 25383-1-AP (MTF1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25383-1-AP (MTF1 Antibody) at dilution of 1:200 (under 40x lens).