

For Research Use Only

MTF2 Recombinant antibody

Catalog Number: 82944-1-RR



Basic Information

Catalog Number: 82944-1-RR	GenBank Accession Number: BC010013	Purification Method: Protein A purification
Size: 800 µg/ml	GeneID (NCBI): 22823	CloneNo.: 230138D10
Source: Rabbit	UNIPROT ID: Q9Y483	Recommended Dilutions: WB 1:1000-1:8000 IF 1:50-1:500
Isotype: IgG	Full Name: metal response element binding transcription factor 2	
Immunogen Catalog Number: AG9384	Calculated MW: 536 aa, 61 kDa	
	Observed MW: 55 kDa, 60 kDa, 75 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB : HEK-293T cells, Jurkat cells, HeLa cells, HepG2 cells IF : HeLa cells,

Background Information

MTF2, also named as Metal-response element-binding transcription factor 2, is a 593 amino acid protein. It exists several isoforms and the range of the molecular weight of isoforms are about 55-60 kDa and 29 kDa. MTF2 contains 2 PHD-type zinc fingers and belongs to the Polycomblike family. MTF2 acts by binding to H3K36me3, a mark for transcriptional activation, and recruiting the PRC2 complex, leading to enhance PRC2 H3K27me3 methylation activity and regulates the transcriptional networks during embryonic stem cell self-renewal and differentiation.

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:

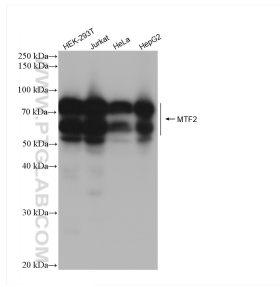
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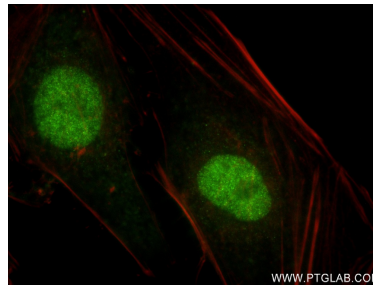
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82944-1-RR (MTF2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MTF2 antibody (82944-1-RR, Clone: 230138D10) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).