Anti-MTF1 Antibody [MTF1/2649] (A249391)

Specifications:

Name:	Anti-MTF1 Antibody [MTF1/2649]
Description:	Mouse monoclonal [MTF1/2649] antibody to MTF1.
Specificity:	The metal-responsive element (MRE)-binding transcription factor (MTF-1) stimulates the expression of metallothioneins in response to the exposure of cells to heavy metals. MTF-1 contains six zinc fingers in the DNA binding domain. The phosphorylation of MTF-1 in response to metal exposure appears to play a significant role in the ability of MTF-1 to activate metallothionein transcription. In addition to its role in metallothionein activation, MTF-1 is involved in a post-transcription regulatory complex for ribosomal protein S25. MTF-1, La and p53 inhibit the nuclear export of S25 mRNA in response to nutrient depravation. Furthermore, MTF-1 acts as a chromatin insulator on integrated transgenes in cultured cells to insulate active loci against chromatin silencing.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human MTF1 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	MTF1/2649
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-MTF1 Antibody [MTF1/2649] - BSA and Azide free (A252571).

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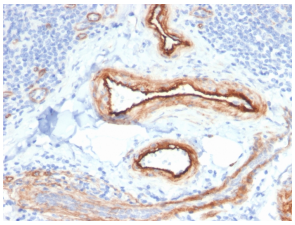
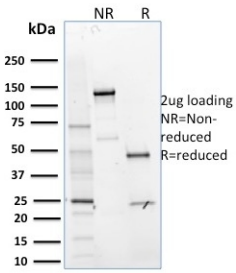
Specifications continued:

Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human renal cell carcinoma using Anti-MTF1 Antibody [MTF1/2649].



SDS-PAGE analysis of Anti-MTF1 Antibody [MTF1/2649] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.