Datasheet for ABIN6940090

anti-MTF1 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	MTF1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MTF1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human MTF1 protein
Clone:	MTF1-2649
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MTF1
Alternative Name:	MTF1 (MTF1 Products)
Background:	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

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Target Details

	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.
Molecular Weight:	70kDa
Gene ID:	4520
UniProt:	Q14872

Application Details

Application Notes:	Positive Control: Human kidney. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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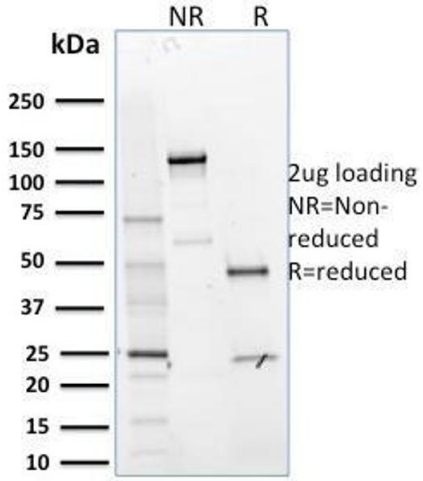
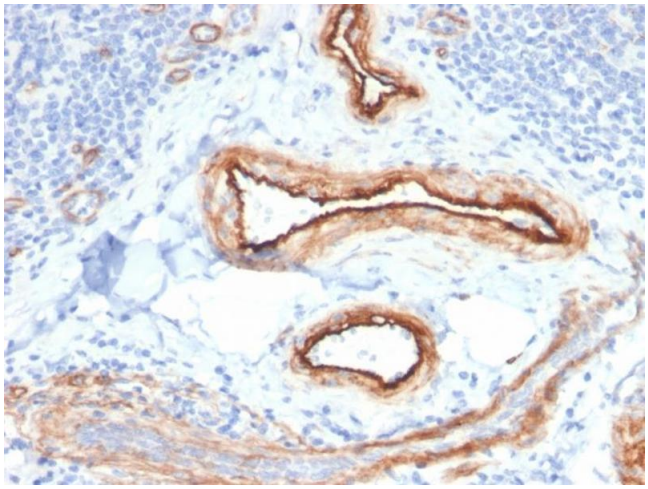


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MTF1 Mouse Monoclonal Antibody (MTF1/2649). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with MTF1 Mouse Monoclonal Antibody (MTF1/2649).

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