

Datasheet for ABIN2460357  
**anti-MTF1 antibody**



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1 Image

## Overview

Quantity:	100 µL
Target:	MTF1
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human MTF1.
Purification:	Antibody is purified by protein A chromatography method.

## Target Details

Target:	MTF1
Alternative Name:	MTF1 ( <a href="#">MTF1 Products</a> )
Background:	The zinc finger transcription factor MTF-1 (metal-responsive transcription factor-1) is conserved from insects to vertebrates. The major role of MTF-1 in both organisms is to control the transcription of genes involved in the homeostasis and detoxification of heavy metal ions such as Cu <sup>2+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> . In mammals, MTF-1 serves at least two additional roles. First, targeted disruption of the MTF-1 gene results in death at embryonic day 14 due to liver

## Target Details

degeneration, revealing a stage-specific developmental role. Second, under hypoxic-anoxic stress, MTF-1 helps to activate the transcription of the gene placental growth factor (PIGF), an angiogenic protein.

Molecular Weight: 81 kDa

Gene ID: 4520

NCBI Accession: [NP\\_005946](#)

UniProt: [Q14872](#)

## Application Details

Application Notes: MTF1 antibody can be used for detection of MTF1 by ELISA at 1:2500. MTF1 antibody can be used for detection of MTF1 by western blot at 5.0 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store MTF1 antibody at -20 °C.



**Western Blotting**

**Image 1.**