

MTF1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MTF1.

Catalog # AT2925a

Product Information

Application	WB, E
Primary Accession	Q14872
Other Accession	NM_005955
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E6
Calculated MW	80957

Additional Information

Gene ID	4520
Other Names	Metal regulatory transcription factor 1, MRE-binding transcription factor, Transcription factor MTF-1, MTF1
Target/Specificity	MTF1 (NP_005946, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MTF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

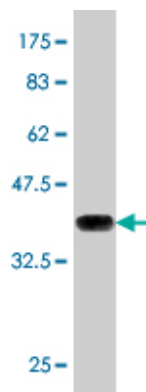
Background

This gene encodes a transcription factor that induces expression of metallothioneins and other genes involved in metal homeostasis in response to heavy metals such as cadmium, zinc, copper, and silver. The protein is a nucleocytoplasmic shuttling protein that accumulates in the nucleus upon heavy metal exposure and binds to promoters containing a metal-responsive element (MRE).

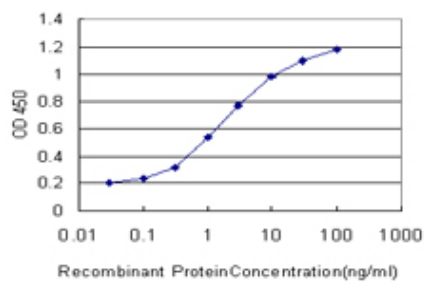
References

1.Fetal Exposure to Cocaine Causes Programming of Prkce Gene Repression in the Left Ventricle of Adult Rat Offspring.Zhang H, Meyer KD, Zhang L.Biol Reprod. 2009 Mar;80(3):440-8. Epub 2008 Oct 22

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged MTF1 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.