



Anti-MTF1 (aa 41-140) polyclonal antibody (DPAB-DC1963)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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).
Immunogen	MTF1 (NP_005946, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. The sequence is GTVYDRTTVLIEQDPGTLEDEDDDGQCGEHL PFLVGGEEGFHLIDHEAMSQGYVQHIISP DQIHLTINPGSTPMPRNIEGATLTLQSECPETKRKEVKRY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MTF1 metal-regulatory transcription factor 1 [Homo sapiens (human)]
Official Symbol	MTF1
Synonyms	MTF1; metal-regulatory transcription factor 1; ZRF; MTF-1; metal regulatory transcription factor 1; zinc regulatory factor; transcription factor MTF-1; MRE-binding transcription factor; MRE-binding transcription factor-1; metal-responsive transcription factor 1;
Entrez Gene ID	4520
Protein Refseq	NP_005946
UniProt ID	Q14872
Chromosome Location	1p33
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA p