MTF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTF2, Polyclonal Antibody
Full Product Name	MTF2 Rabbit pAb
Product Gene Name	anti-MTF2 antibody
Product Synonym Names	M96; PCL2; TDRD19A; dJ976O13.2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	67kDa
OMIM	609882
3D Structure	ModBase 3D Structure for Q9Y483
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human MTF2 (NP_001157864.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MTF2 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-MTF2 antibody	WB: 1:500-1:2000 IF: 1:50-1:100
Related Product Information for anti-MTF2 antibody	MBS8546563 is an antibody targeting MTF2. Also known as MTF2 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MTF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTF2. It may not necessarily be applicable to this product.

NCBI GI #	14603084
NCBI GeneID	22823
NCBI Accession #	AAH10013.1
UniProt Primary Accession #	Q9Y483
UniProt Related Accession #	Q9Y483

NCBI Official Full Name	MTF2 protein
NCBI Official Synonym Full Names	metal response element binding transcription factor 2
NCBI Official Symbol	MTF2
NCBI Official Synonym Symbols	M96; PCL2; TDRD19A; dJ976O13.2
UniProt Protein Name	Metal-response element-binding transcription factor 2
UniProt Synonym Protein Names	Metal regulatory transcription factor 2; Metal-response element DNA-binding protein M96; Polycomb-like protein 2
Protein Family	Fatty-acid O-methyltransferase
UniProt Gene Name	MTF2
UniProt Synonym Gene Names	PCL2; hPCl2
UniProt Entry Name	MTF2_HUMAN
NCBI Protein Information	metal-response element-binding transcription factor 2
UniProt Comments for MTF2	MTF2: Binds to the metal-regulating-element (MRE) of metallothionein-1A gene promoter. Binding is zinc-dependent. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 1p22.1 Cellular Component: nucleoplasm; ESC/E(Z) complex; cytoplasm; nucleus Molecular Function: DNA binding; zinc ion binding; methylated histone residue binding Biological Process: segment specification; negative regulation of gene expression, epigenetic; stem cell maintenance; positive regulation of transcription from RNA polymerase II promoter; gene expression; stem cell differentiation; chromatin modification; negative regulation of transcription from RNA polymerase II promoter; regulation of gene expression, epigenetic
Research Articles on MTF2	**1.** the F61L/S86F mutant of MTF2 Tudor-PHD1 was able to bind to H3K36me3 as strong as the PHF1 Tudor bound to this PTM . We concluded that the hydrophobic patch plays an essential role in binding of these Tudors to methylated chromatin
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