MT1F Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MT1F, Polyclonal Antibody
Full Product Name	MT1F Antibody; Biotin conjugated
Product Gene Name	anti-MT1F antibody
Product Synonym Names	Metallothionein-1F; MT-1F; Metallothionein-IF; MT-IF; MT1F; PRO0376
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: MT1F (MBS7005464) Biotin Conjugated Antibody: MT1F (MBS7000431)
Molecular Weight	6,086 Da
OMIM	156352
3D Structure	ModBase 3D Structure for P04733
Immunogen	Recombinant human Metallothionein-1F protein
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MT1F antibody	ELISA (EIA)
Related Product Information for anti-MT1F antibody	Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids.
Other Notes	Small volumes of anti-MT1F 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.
Searchable Terms for MT1F purchase	MBS7000431 is an antibody targeting MT1F. Also known as MT1F Antibody; Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MT1F. It may not necessarily be applicable to this product.

NCBI GI #	669250849
NCBI GeneID	4494

NCBI Accession #	NP_001288201.1
UniProt Primary Accession #	P04733
UniProt Secondary Accession #	Q9UI97
UniProt Related Accession #	P04733
GenBank Nucleotide #	NM_001301272.1
NCBI Official Full Name	metallothionein-1F isoform 2
NCBI Official Synonym Full Names	metallothionein 1F
NCBI Official Symbol	MT1F
NCBI Official Synonym Symbols	MT1
UniProt Protein Name	Metallothionein-1F
UniProt Synonym Protein Names	Metallothionein-IF; MT-IF
Protein Family	Metallothionein
UniProt Gene Name	MT1F
UniProt Synonym Gene Names	MT-1F; MT-IF
UniProt Entry Name	MT1F_HUMAN
NCBI Protein Information	metallothionein-1F
UniProt Comments for MT1F	MT1F: Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. Belongs to the metallothionein superfamily. Type 1 family. Chromosomal Location of Human Ortholog: 16q13 Cellular Component: cytoplasm; nucleus; perinuclear region of cytoplasm Molecular Function: protein binding; zinc ion binding Biological Process: negative regulation of growth; response to metal ion
Research Articles on MT1F	**1.** we found that metallothionein expression induced by Cd occurred much later, with the expression seen at least 12h or more after the Nrf2-dependent immediate responses were almost completed.
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