MTFP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTFP1, Polyclonal Antibody
Full Product Name	MTFP1 Polyclonal Antibody
Product Gene Name	anti-MTFP1 antibody
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 Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	14kDa; 18kDa
OMIM	610235
3D Structure	ModBase 3D Structure for Q9UDX5
Immunogen	Recombinant protein of human MTFP1 (NP_057582.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MTFP1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MTFP1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-MTFP1 antibody	MBS8573242 is an antibody targeting MTFP1. Also known as MTFP1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MTFP1 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 MTFP1. It may not necessarily be applicable to this product.

NCBI GI #	52783151
NCBI GeneID	51537
NCBI Accession #	Q9UDX5.1
UniProt Primary Accession #	Q9UDX5
UniProt Related Accession #	Q9UDX5
NCBI Official Full Name	Mitochondrial fission process protein 1
NCBI Official Synonym Full Names	mitochondrial fission process 1

NCBI Official Symbol	MTFP1
NCBI Official Synonym Symbols	MTP18; HSPC242
UniProt Protein Name	Mitochondrial fission process protein 1
UniProt Synonym Protein Names	Mitochondrial 18 kDa protein; MTP18
Protein Family	Mitochondrial fission process protein
UniProt Gene Name	MTFP1
UniProt Synonym Gene Names	MTP18; MTP18
UniProt Entry Name	MTFP1_HUMAN
NCBI Protein Information	mitochondrial fission process protein 1
NCBI Summary for MTFP1	MTP18 is a mitochondrial protein and downstream target of the phosphatidylinositol 3-kinase (see PIK3CA, MIM 171834) signaling pathway that plays a role in cell viability and mitochondrial dynamics (Tondera et al., 2004 [PubMed 15155745]).[supplied by OMIM, Mar 2008]
UniProt Comments for MTFP1	MTP18: Involved in the mitochondrial division probably by regulating membrane fission. Loss-of-function induces the release of cytochrome c, which activates the caspase cascade and leads to apoptosis. Belongs to the MTFP1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Mitochondrial Chromosomal Location of Human Ortholog: 22q Cellular Component: mitochondrial inner membrane; integral to membrane Biological Process: mitochondrial fission; apoptosis
Research Articles on MTFP1	**1.** Observational study of gene-disease association and gene-environment interaction. (HuGE Navigator)
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