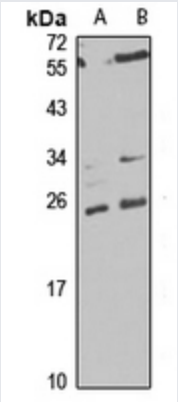
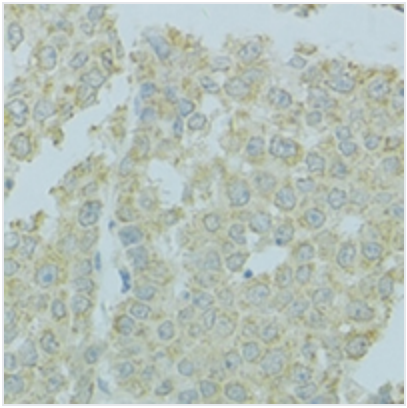
MTP18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTP18, Polyclonal Antibody
Full Product Name	Anti-MTP18 Antibody
Product Gene Name	anti-MTP18 antibody
Product Synonym Gene Name	MTFP1
Product Synonym Names	MTP18; Mitochondrial fission process protein 1; Mitochondrial 18 kDa protein; MTP18
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of MTP18 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	166
OMIM	610235
3D Structure	ModBase 3D Structure for Q9UDX5
Immunogen	Recombinant fusion protein of human MTP18. The exact sequence is proprietary.
Applications Tested/Suitable for anti-MTP18 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MTP18 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-MTP18 antibody	MBS8307332 is an antibody targeting MTP18. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to MTP18
Other Notes	Small volumes of anti-MTP18 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.



Western Blot (WB) of anti-MTP18 antibody
Western blot analysis of MTP18 expression in mouse liver (A), rat heart (B) whole cell lysates.



Immunohistochemistry (IHC) of anti-MTP18 antibody
Immunohistochemical analysis of MTP18 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTP18. It may not necessarily be applicable to this product.

NCBI GI #	52783151
NCBI GeneID	51537
NCBI Accession #	Q9UDX5.1
UniProt Primary Accession #	Q9UDX5
UniProt Secondary Accession #	Q9CRB8
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; mitochondrial 18 kDa protein; mitochondrial protein 18 kDa; mitochondrial fission protein MTP18
NCBI Summary for MTP18	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 MTP18	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 MTP18	**1.** Observational study of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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