



## Rabbit Anti-MTP18 antibody

SL10756R

<b>Product Name:</b>	MTP18
<b>Chinese Name:</b>	Mitochondrion蛋白18抗体
<b>Alias:</b>	HSPC 242; HSPC242; Mitochondrial protein 18 kDa; MTP 18; MTFP1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	18kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MTP18:41-140/166
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]  <b>Function:</b> 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.

**Subcellular Location:**

Mitochondrion inner membrane; Multi-pass membrane protein (Probable).

**Similarity:**

Belongs to the MTFP1 family.

**SWISS:**

Q9UDX5

**Gene ID:**

51537

**Database links:**

[Entrez Gene: 51537](#)Human

[Entrez Gene: 67900](#)Mouse

[Omid: 610235](#)Human

[SwissProt: Q9UDX5](#)Human

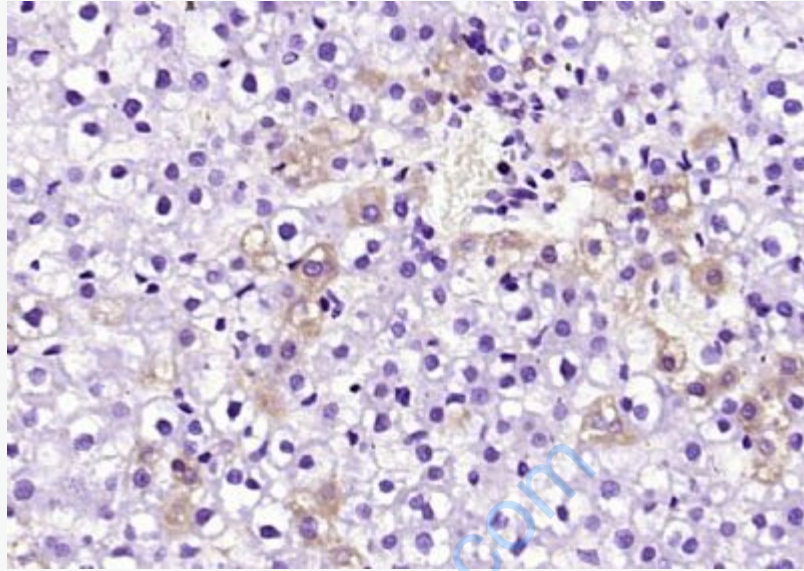
[SwissProt: Q9CRB8](#)Mouse

[Unigene: 713636](#)Human

[Unigene: 41719](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MTP18) Polyclonal Antibody, Unconjugated (SL10756R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.