



## Rabbit Anti-MT antibody

SL10568R

<b>Product Name:</b>	MT
<b>Chinese Name:</b>	CTR1抗体
<b>Alias:</b>	MT; MCAT; [Acyl-carrier-protein] malonyltransferase; FabD; FABD_HUMAN; FASN 2C; FASN2C; Malonyl CoA acyl carrier protein transacylase; Malonyl CoA acyl carrier protein transacylase mitochondrial; Malonyl CoA:ACP acyltransferase (mitochondrial); Malonyl CoA:ACP acyltransferase; Malonyl CoA:acyl carrier protein transacylase mitochondrial; Malonyl-CoA-acyl carrier protein transacylase; Mcat; MCT; MGC47838; mitochondrial; Mitochondrial malonyl CoA:ACP acyltransferase; Mitochondrial malonyltransferase; NET62.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<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>	21kDa
<b>Cellular localization:</b>	The cell membrane <a href="#">Mitochondrion</a>
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MT:
<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>	The protein encoded by this gene is found exclusively in the mitochondrion, where it

catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2012]

**Function:**

Catalyzes the transfer of a malonyl moiety from malonyl-CoA to the free thiol group of the phosphopantetheine arm of the mitochondrial ACP protein (NDUFAB1). This suggests the existence of the biosynthesis of fatty acids in mitochondrias.

**Subcellular Location:**

Mitochondrion.

**Similarity:**

Belongs to the type II malonyltransferase family.

**SWISS:**

Q8IVS2

**Gene ID:**

27349

**Database links:**

[Entrez Gene: 27349](#)Human

[Omim: 614479](#)Human

[SwissProt: Q8IVS2](#)Human

[Unigene: 349111](#)Human

**Important Note:**

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