



# Rabbit Anti-Human MARS Polyclonal Antibody (CABT-L2255)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Methionyl tRNA Synthetase (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against MARS. It has been selected for its ability to recognize MARS in immunohistochemical staining and western blotting.
<b>Target</b>	MARS
<b>Immunogen</b>	Recombinant fragment corresponding to human MARS (Gly74~Pro212)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. The encoded protein is a component of the multi-tRNA synthetase complex and catalyzes the ligation of methionine to tRNA molecules. [provided by RefSeq, Jan 2011]
<b>Keywords</b>	METRS;MTRNS;MetRS;Methionine tRNA Ligase 1,Cytoplasmic

## GENE INFORMATION

<b>Gene Name</b>	MARS methionyl-tRNA synthetase [ Homo sapiens (human) ]
<b>Official Symbol</b>	MARS
<b>Synonyms</b>	MARS; methionyl-tRNA synthetase; MRS; METRS; MTRNS; SPG70; methionine--tRNA ligase, cytoplasmic; cytosolic methionyl-tRNA synthetase;
<b>Entrez Gene ID</b>	<a href="#">4141</a>
<b>Protein Refseq</b>	NP_004981
<b>UniProt ID</b>	<a href="#">P56192</a>
<b>Chromosome Location</b>	12q13.3
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; Gene Expression; Selenocompound metabolism; tRNA Aminoacylation;
<b>Function</b>	ATP binding; methionine-tRNA ligase activity; tRNA binding;