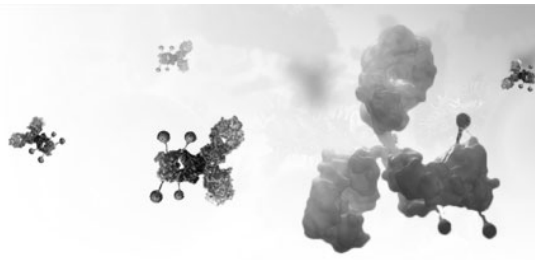

Rabbit Anti-Human MARS Polyclonal Antibody (CABT-L2255)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Methionyl tRNA Synthetase (Knockout Validated)
Specificity	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.
Target	MARS
Immunogen	Recombinant fragment corresponding to human MARS (Gly74~Pro212)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags
Warnings	For research use only.

BACKGROUND

Introduction	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]
Keywords	METRS;MTRNS;MetRS;Methionine tRNA Ligase 1,Cytoplasmic

GENE INFORMATION

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

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