



# Anti-MARS (full length) polyclonal antibody (DPABH-15549)

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

## PRODUCT INFORMATION

<b>Antigen Description</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.
<b>Specificity</b>	This antibody reacts specifically with Methionyl tRNA synthetase protein.
<b>Immunogen</b>	Denatured recombinant full length protein (Human).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Buffer</b>	Constituents: Whole serum
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">MARS methionyl-tRNA synthetase [ Homo sapiens ]</a>
Official Symbol	MARS
Synonyms	MARS; methionyl-tRNA synthetase; MRS; METRS; MTRNS; SPG70; methionine--tRNA ligase, cytoplasmic; cytosolic methionyl-tRNA synthetase;
Entrez Gene ID	<a href="#">4141</a>
Protein Refseq	<a href="#">NP_004981.2</a>
UniProt ID	<a href="#">P56192</a>
Pathway	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; Selenocompound metabolism
Function	ATP binding; methionine-tRNA ligase activity; tRNA binding;