



Anti-MARS (aa 1-900) polyclonal antibody (DPABH-06576)

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

PRODUCT INFORMATION

Antigen Description	MARS (methionyl-tRNA synthetase) is a protein-coding gene. Diseases associated with MARS include hepatorenal syndrome, and appendicitis, and among its related super-pathways are Cytosolic tRNA aminoacylation and Generic Transcription Pathway. GO annotations related to this gene include methionine-tRNA ligase activity and tRNA binding.
Immunogen	Full length Human protein corresponding to amino acids 1-900 of Human MARS (NP_004981.2).
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ICC/IF
Format	Liquid
Size	50 µg
Buffer	pH: 7.20; Constituent: 99% PBS
Preservative	None
Storage	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	MARS methionyl-tRNA synthetase [Homo sapiens]
Official Symbol	MARS
Synonyms	MARS; methionyl-tRNA synthetase; methionine--tRNA ligase, cytoplasmic; methionine tRNA ligase 1; cytoplasmic; MetRS; cytosolic methionyl-tRNA synthetase; methionine tRNA ligase 1, cytoplasmic; MRS; METRS; MTRNS; FLJ35667;
Entrez Gene ID	4141
Protein Refseq	NP_004981
UniProt ID	P56192
Chromosome Location	12q13
Pathway	Aminoacyl-tRNA biosynthesis; Aminoacyl-tRNA biosynthesis, eukaryotes; Cytosolic tRNA aminoacylation; Gene Expression; Selenocompound metabolism;
Function	ATP binding; ligase activity; methionine-tRNA ligase activity; nucleotide binding; tRNA binding;