



Anti-MARS monoclonal antibody, clone FQS0983 (DCABH-6829)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to MARS
Antigen Description	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.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human MARS aa 150-250. The exact sequence is proprietary. Database link: P56192
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat, Human
Clone	FQS0983
Conjugate	Unconjugated
Applications	IHC-P, WB, IP, ICC/IF
Positive Control	HepG2, HeLa, SW480 and Caco2 lysates; Human brain tissue; HeLa cells.
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.01% Sodium azide; Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Preservative	0.01% Sodium Azide

Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

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, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem;
Function	ATP binding; ligase activity; methionine-tRNA ligase activity; nucleotide binding; tRNA binding;