

Rabbit anti-Human MARS Polyclonal Antibody | anti-MARS antibody

MARS Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283871	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

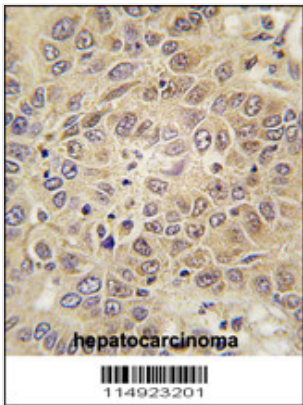
PRODUCT SYNONYMS

MARS; Polyclonal Antibody; MARS Antibody (C-term); Methionine--tRNA ligase; cytoplasmic; Methionyl-tRNA synthetase; MetRS; anti-MARS antibody

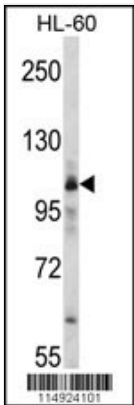
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 872-899 amino acids from the C-terminal region of human MARS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	872-899
Sequence Length	546
Applicable Applications for anti-MARS antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with MARS antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MARS Antibody (C-term) in HL-60 cell line lysates (35ug/lane). cMARS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MARS antibody	Methionyl-tRNA synthetase belongs to the class I family of tRNA synthetases. It catalyzes the chemical reaction: ATP + L-methionine + tRNA(Met) = AMP + diphosphate + L-methionyl-tRNA(Met).
References	Kaminska,M., Biochemistry 40 (47), 14309-14316 (2001) Kang,J., J. Biol. Chem. 275 (41), 31682-31688 (2000) Ko,Y.G., J. Cell Biol. 149 (3), 567-574 (2000) Quevillon,S., J. Mol. Biol. 285 (1), 183-195 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14043022
NCBI GeneID	4141
NCBI Accession #	NP_004981.2
NCBI GenBank Nucleotide #	NM_004990.3
UniProt Accession #	P56192; Q14895; Q53H14; Q96A15; Q96BZ0; Q9NSE0; B3KVK7
Molecular Weight	101116
NCBI Official Full Name	methionine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	methionyl-tRNA synthetase
NCBI Official Symbol	MARS
NCBI Official Synonym Symbols	MRS; ILLD; CMT2U; ILFS2; METRS; MTRNS; SPG70
NCBI Protein Information	methionine--tRNA ligase, cytoplasmic
UniProt Protein Name	Methionine--tRNA ligase, cytoplasmic
UniProt Gene Name	MARS
UniProt Synonym Gene Names	MetRS
UniProt Entry Name	SYMC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mars-antibody-immunohistochemistry-western-blot-elisa/283871>