

Rabbit anti-Human, Mouse Methionyl tRNA Synthetase Polyclonal Antibody | anti-MARS antibody

Polyclonal Antibody to Methionyl tRNA Synthetase (MARS)

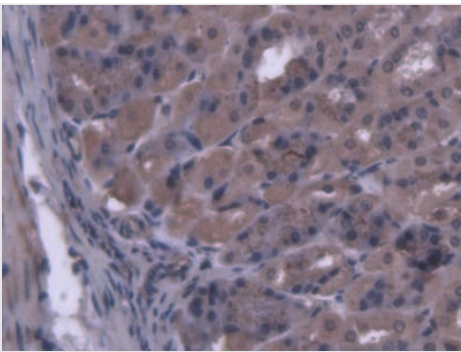
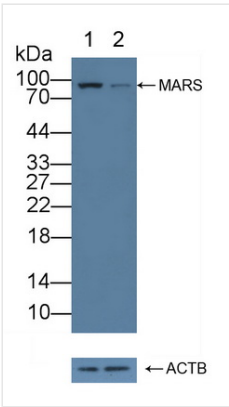
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145819	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Methionyl tRNA Synthetase; Polyclonal Antibody; Polyclonal Antibody to Methionyl tRNA Synthetase (MARS); METRS; MTRNS; MetRS; Methionine tRNA Ligase 1; Cytoplasmic; anti-MARS antibody

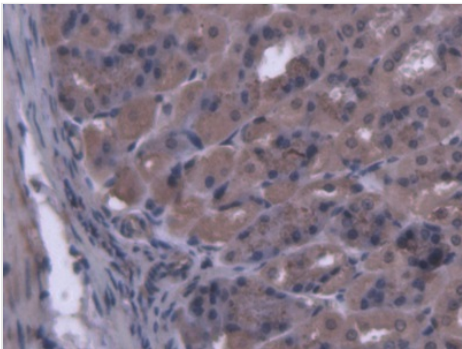
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
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.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, Containing 0.02% NaN ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence Length	915
Applicable Applications for anti-MARS antibody	ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Fragment	MARS (Gly74~Pro212)
Conjugate	No Conjugate
Cross Reactivity	Human, Mouse
Immunoglobulin Type	IgG
Quality Control	Content: The quality control contains recombinant MARS (Gly74~Pro212) disposed in loading buffer. Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate. 5uL per well when used in enhanced chemiluminescent (ECL). Note: The quality control is specifically manufactured as the positive control. Not used for other purposes. Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol,BPB 0.01%, NaN ₃ 0.02%.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

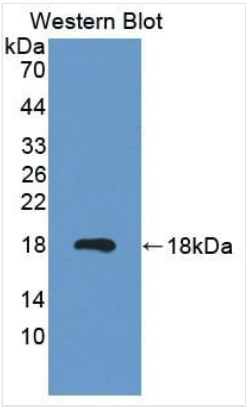


IHC (Immunohistochemistry)
DAB staining on IHC-P; Samples: Mouse Stomach Tissue

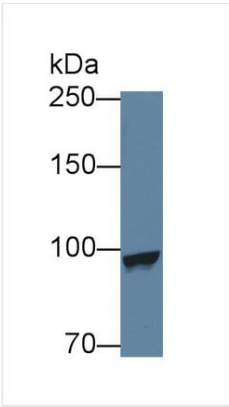
Application Data
Knockout Validation: Lane 1: Wild-type HepG2 cell lysate; Lane 2: MARS knockout HepG2 cell lysate; Predicted MW: 101kd Observed MW: 90kd Primary Ab: 1ug/ml Rabbit Anti-Mouse MARS Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



IHC (Immunohistochemistry)
DAB staining on formalin fixed paraffin- embedded tissue



WB (Western Blot)
Western Blot: Sample: Recombinant protein.



WB (Western Blot)
Western Blot: Sample: Human HepG2 cell lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse MARS Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-MARS antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51491852
NCBI GeneID	216443
NCBI Accession #	NP_001003913.1
NCBI GenBank Nucleotide #	NM_001003913.2
UniProt Accession #	Q68FL6
Molecular Weight	101,431 Da
NCBI Official Full Name	methionine--tRNA ligase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	methionine-tRNA synthetase
NCBI Official Symbol	Mars
NCBI Official Synonym Symbols	Metrs; Mtrns
NCBI Protein Information	methionine--tRNA ligase, cytoplasmic
UniProt Protein Name	Methionine--tRNA ligase, cytoplasmic
UniProt Gene Name	Mars
UniProt Synonym Gene Names	MetRS

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/methionyl-trna-synthetase-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/145819>