

Rabbit anti-Human Methionyl tRNA Synthetase Polyclonal Antibody | anti-MARS2 antibody

Methionyl tRNA Synthetase Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288304	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Methionyl tRNA Synthetase; Polyclonal Antibody; Methionyl tRNA Synthetase Antibody (C-term); Methionine--tRNA ligase; mitochondrial; Methionyl-tRNA synthetase 2; Mitochondrial methionyl-tRNA synthetase; MtMetRS; MARS2; anti-MARS2 antibody

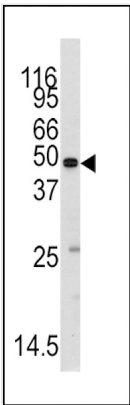
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Methionyl tRNA Synthetase antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 564-593 amino acids from the C-terminal region of human Methionyl tRNA Synthetase.
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	564-593
Sequence Length	593
Applicable Applications for anti-MARS2 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 (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with MARS2 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 anti-MARS2 Antibody (C-term) (AAA288304) in mouse testis tissue lysates (35ug/lane). MARS2(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MARS2 antibody	Methionine-tRNA ligase (EC 6.1.1.10) catalyzes the chemical reaction: ATP + L-methionine + tRNAMet <--> AMP + diphosphate + L-methionyl-tRNAMet The 3 substrates of this enzyme are ATP, L-methionine, and tRNA(Met), whereas its 3 products are AMP, diphosphate, and L-methionyl-tRNA(Met). This enzyme participates in 3 metabolic pathways: methionine metabolism, selenoamino acid metabolism, and aminoacyl-trna biosynthesis.
Product Categories/Family for anti-MARS2 antibody	Signal Transduction
References	Spencer,A.C., Biochemistry 43 (30), 9743-9754 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308436
NCBI GeneID	92935
NCBI Accession #	NP_612404.1
NCBI GenBank Nucleotide #	NM_138395.3
UniProt Accession #	Q96GW9; Q76E79; Q8IW62; Q8N7N4; A0AVC3
Molecular Weight	66591
NCBI Official Full Name	methionine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	methionyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	MARS2
NCBI Official Synonym Symbols	MetRS; COXPD25; mtMetRS
NCBI Protein Information	methionine--tRNA ligase, mitochondrial
UniProt Protein Name	Methionine--tRNA ligase, mitochondrial
UniProt Gene Name	MARS2

UniProt Synonym Gene Names	MtMetRS
UniProt Entry Name	SYMM_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/methionyl-trna-synthetase-antibody-immunohistochemistry-western-blot-elisa/288304>