

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

Rabbit anti-MARS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212410	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

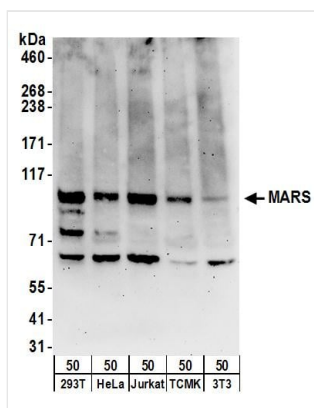
PRODUCT SYNONYMS

MARS; Polyclonal Antibody; Rabbit anti-MARS Antibody; Affinity Purified; cytosolic methionyl-tRNA synthetase; SPG70; MTRNS; MRS; METRS; Methionyl-tRNA synthetase; methionine--tRNA ligase; cytoplasmic; ILFS2; CMT2U; ILLD; Methionine--tRNA ligase; methionyl-tRNA synthetase; anti-MARS antibody

PRODUCT SPECIFICATIONS

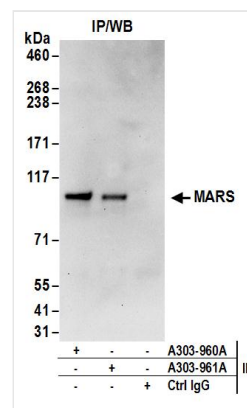
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MARS antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 650 and 700
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



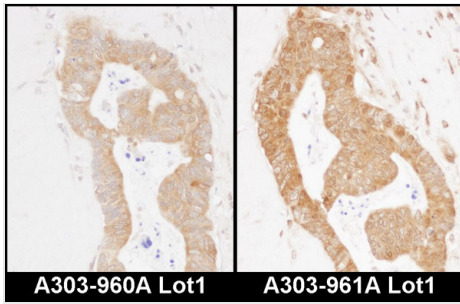
WB (Western Blot)

Detection of human and mouse MARS by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-MARS antibody AAA212410 (lot AAA212410-1) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human MARS by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-MARS antibody AAA212410 (lot AAA212410-1) used for IP at 6 ug/mg lysate. MARS was also immunoprecipitated by rabbit anti-MARS antibody For blotting immunoprecipitated MARS, AAA212410 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)
 Detection of human MARS by immunohistochemistry. Samples: FFPE serial sections of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-MARS (Cat. No. Lot1, left image and Cat. No. AAA212410 Lot1, right image) used at a dilution of 1:1,000 (1ug/ml).
 Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-MARS antibody	Methionyl-tRNA synthetase (MARS) is 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. [taken from NCBI Entrez Gene (Gene ID: 4141)].
Product Categories/Family for anti-MARS antibody	Primary Antibodies

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
Molecular Weight	101,116 Da
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; METRS; MTRNS
NCBI Protein Information	methionine--tRNA ligase, cytoplasmic; cytosolic methionyl-tRNA synthetase; methionine tRNA ligase 1, 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-immunoprecipitation-western-blot-elisa/212410>