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Rabbit Anti-MARS2 antibody

SL18683R

Product Name:	MARS2
Chinese Name:	甲硫氨酸转运RNA合成酶2抗体
Alias:	mars2; Methionine tRNA ligase 2; Methionine tRNA ligase 2 mitochondrial; Methionine tRNA ligase; Methionine tRNA synthetase 2; Methionine--tRNA ligase; Methionyl tRNA synthetase 2 mitochondrial; Methionyl tRNA synthetase mitochondrial; Methionyl-tRNA synthetase 2; MetRS; mitochondrial; Mitochondrial methionine tRNA ligase; Mitochondrial methionyl tRNA synthetase; Mitochondrial methionyl-tRNA synthetase; MtMetRS; SYMM_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MARS2:31-130/593
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene produces a mitochondrial methionyl-tRNA synthetase protein that is encoded by the nuclear genome and imported to the mitochondrion. This protein likely functions

as a monomer and is predicted to localize to the mitochondrial matrix. Mutations in this gene are associated with the autosomal recessive neurodegenerative disease spastic ataxia-3 (SPAX3). [provided by RefSeq, Apr 2014]

DISEASE:
Spastic ataxia 3, autosomal recessive (SPAX3) [MIM:611390]: A neurologic disorder characterized by cerebellar ataxia, ataxic gait, spasticity, and hyperreflexia. Other variable features include dysarthria, dysmetria, mild cognitive impairment, urinary urgency and dystonic positioning. Note: The disease is caused by mutations affecting the gene represented in this entry.

Similarity:
Belongs to the class-I aminoacyl-tRNA synthetase family.

SWISS:
Q96GW9

Gene ID:
92935

Database links:

Entrez Gene: 92935 Human

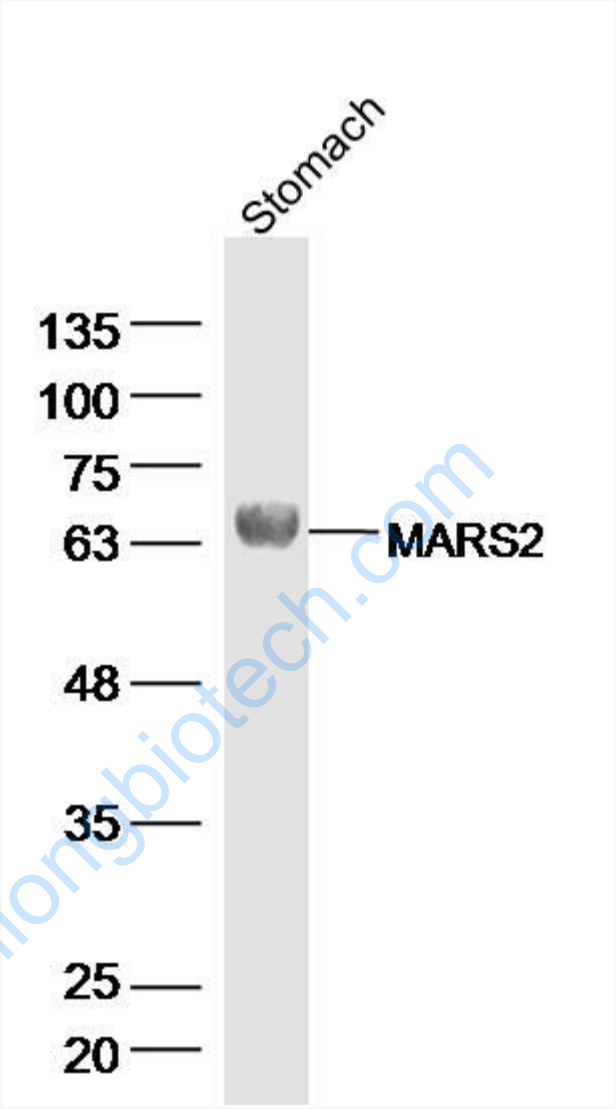
Omim: 609728 Human

SwissProt: Q96GW9 Human

Unigene: 116602 Human

Unigene: 744330 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Stomach (Rat) Lysate at 40 ug Primary: Anti-MARS2 (SL18683R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 65 kD