甲硫氨酸转运 RNA 合成酶抗体

产品货号： mlR18682

英文名称： MARS

中文名称： 甲硫氨酸转运 RNA 合成酶抗体

别　　名： cytoplasmic; Mars; Methionine tRNA ligase 1, cytoplasmic; Methionine tRNA ligase; Methionine tRNA synthetase; Methionine--tRNA ligase; Methionyl tRNA synthetase; Methionyl-tRNA synthetase; MetRS; MTRNS; SYMC_HUMAN.

研究领域： 细胞生物　转运蛋白　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 101kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MARS:1-100/900

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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

产品介绍： This gene encodes 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. [provided by RefSeq, Jan 2011]

Subunit:

Component of the multisynthetase complex which is comprised of a bifunctional glutamyl-prolyl-tRNA synthetase, the monospecific isoleucyl, leucyl, glutaminyl, methionyl, lysyl, arginyl, and aspartyl-tRNA synthetases as well as three auxiliary proteins, p18, p48 and p43.

Subcellular Location:

Cytoplasm.

DISEASE:

Infantile liver failure syndrome 2 (ILFS2) [MIM:615486]: A life-threatening disorder of hepatic function that manifests with liver failure in the first months of life. Clinical features include failure to thrive, hypotonia, intermittent lactic acidosis, aminoaciduria, hypothyroidism, interstitial lung disease, anemia, liver canalicular

cholestasis, steatosis, and iron deposition. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

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

Contains 1 GST C-terminal domain.

Contains 1 WHEP-TRS domain.

SWISS:

P56192

Gene ID:

4141

Important Note:

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