

半胱氨酸脱硫酶 NFS1 抗体

产品货号： mIR19227

英文名称： NFS1

中文名称： 半胱氨酸脱硫酶 NFS1 抗体

别 名： Cysteine desulfurase; Cysteine desulfurase, mitochondrial; HUSSY 08; IscS; mitochondrial; NFS1; NFS1 nitrogen fixation 1; NFS1 nitrogen fixation 1 homolog (*S. cerevisiae*); NFS1_HUMAN; NIFS; nitrogen fixation 1 (*S. cerevisiae*, homolog); nitrogen fixation gene 1; nitrogen-fixing bacteria S, homolog of; nitrogen-fixing bacteria S-like protein; OTTHUMP00000030799.

研究领域： 肿瘤 信号转导 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： *Saccharomyces cerevisiae*

产品应用： 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： 50kDa

细胞定位： 细胞核 细胞浆

性 状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human NFS1:261-360/457 <Cytoplasmic>

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 : Iron-sulfur clusters are required for the function of many cellular enzymes. The proteins encoded by this gene supply inorganic sulfur to these clusters by removing the sulfur from cysteine, creating alanine in the process. This gene uses alternate in-frame translation initiation sites to generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative initiation sites is determined by the cytosolic pH. The encoded proteins belong to the class-V family of pyridoxal phosphate-dependent aminotransferases. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2010]

Function:

Catalyzes the removal of elemental sulfur from cysteine to produce alanine. It supplies the inorganic sulfur for iron-sulfur (Fe-S) clusters. May be involved in the biosynthesis of molybdenum cofactor.

Subcellular Location:

Cytoplasm. Nucleus and Mitochondrion.

Tissue Specificity:

Predominantly expressed in heart and skeletal muscle. Also found in brain, liver and pancreas.

Similarity:

Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. NifS/IscS subfamily.

SWISS:

Q9Y697

Gene ID:

9054

Important Note:

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