

GTP 结合蛋白 7 抗体

产品货号： mlR17874

英文名称： MTG1/GTPBP7

中文名称： GTP 结合蛋白 7 抗体

别 名： GTP; GTP binding protein; GTP binding protein 7 (putative); GTP binding protein 7; GTP-binding protein 7 (putative); GTP-binding protein 7; GTPBP7; Mitochondrial GTPase 1; mitochondrial GTPase 1 homolog (S. cerevisiae); MTG1; MTG1_HUMAN; OTTHUMP00000020814; OTTHUMP00000046565; RP11 108K14.2; RP11-108K14.2; RP11108K14.2.

研究领域： 肿瘤 细胞生物 转录调节因子 转运蛋白 线粒体 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Cow,

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： 37kDa

细胞定位： 细胞浆 线粒体

性 状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human MTG1/GTPBP7:1-100/334

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 : MTH1 is a 179 amino acid cytoplasmic protein that is a member of the nudix hydrolase family. Highly expressed in testis, thymus and proliferating blood lymphocytes, MTH1 functions as an antimutagenic that hydrolyzes oxidized purine nucleoside triphosphates to their corresponding monophosphates. Through its ability to enzymatically hydrolyze ATP and GTP to AMP and GMP, respectively, MTH1 prevents misincorporation of GTP into DNA, thus preventing A:T to C:G transversions. The cytoplasmic location of MTH1, along with its antimutagenic capabilities, suggests that it may also be involved in the sanitization of nucleotide pools for both mitochondrial and nuclear genomes. Four isoforms of MTH1 exist—three of which are formed due to alternative splicing events and one of which is formed via a single-nucleotide polymorphism. Overexpression of MTH1 is implicated in prostate and cell lung carcinomas

Function:

Mitochondrial GTPase. May be involved in assembly of the large ribosomal subunit.

Subcellular Location:

Mitochondrion.

Similarity:

Belongs to the MMR1/HSR1 GTP-binding protein family. MTG1 subfamily.

Contains 1 G (guanine nucleotide-binding) domain.

SWISS:

Q9BT17

Gene ID:

92170

Important Note:

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