

线粒体 rRNA 甲基转移酶 1 抗体

产品货号： mlR17763

英文名称： MRM1

中文名称： 线粒体 rRNA 甲基转移酶 1 抗体

别名： A530065E19Rik; ENSMUSG00000054212; FLJ22578; Mitochondrial large ribosomal RNA ribose methylase; Mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae); MRM1; MRM1_HUMAN; OTTMUSP00000008034; RGD1566232; RP23-293L24.6; rRNA methyltransferase 1, mitochondrial.

研究领域： 细胞生物 转录调节因子 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, Dog, Horse, Rabbit, Sheep,

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 : 36kDa

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 MRM1:231-330/353

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 : MRM1 is a 353 amino acid protein that localizes to the mitochondrion and belongs to the RNA methyltransferase trmH family. Expressed as two alternatively spliced isoforms, MRM1 specifically methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S). The gene encoding MRM1 maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Function:

Probably methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S).

Subcellular Location:

Mitochondrion.

Similarity:

Belongs to the RNA methyltransferase TrmH family.

SWISS:

Q6IN84

Gene ID:

79922

Important Note:

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