

细胞色素 P450 7A1 抗体胆固醇 7a 羟化酶抗体

产品货号： mlR2399

英文名称： CYP7A1

中文名称： 细胞色素 P450 7A1 抗体/胆固醇 7a 羟化酶抗体

别 名： Cholesterol 7 alpha hydroxylase; Cholesterol 7 alpha monooxygenase; cholesterol 7 alpha-monooxygenase; Cholesterol 7-alpha-hydroxylase; Cholesterol 7-alpha-monooxygenase; CP7A; CYP 7; CYP7; CYPVII; Cytochrome P450 7A1; cytochrome P450, family 7, subfamily A, polypeptide 1; Cytochrome P450, subfamily VIIA (cholesterol 7 alpha monooxygenase); CP7A1_HUMAN.

研究领域： 肿瘤 细胞生物 生长因子和激素 转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Rabbit, Guinea Pig, ,G

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 （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： 55kDa

细胞定位： 细胞膜

性 状： Lyophilized or Liquid

浓 度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human CYP7A1:351-400/504

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 cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis. [provided by RefSeq, Feb 2010].

Function:

Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol homeostasis.

Subcellular Location:

Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.

Tissue Specificity:

Detected in liver.

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

P22680

Gene ID:

1581

Important Note:

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