

细胞色素 CYP3A1 抗体

产品货号： mIR20586

英文名称： CYP3A1

中文名称： 细胞色素 CYP3A1 抗体

别名： Cytochrome P450 3A1; CYP3A; CYP3A1; cytochrome P450, family 3, subfamily a, polypeptide 1; glucocorticoid inducible P450; HLP; MGC126680; NF 25; NF25; Nifedipine oxidase; Nifedipine oxidase; P450 III steroid inducible; P450 PCN(PCNC inducible); P450 PCN1; P450C3; P450PCN1; Quinine 3 monooxygenase; Taurochenodeoxycholate 6 alpha hydroxylase; CP3A1_RAT.

研究领域： 肿瘤 心血管 细胞生物 信号转导 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Rat,

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：57kDa

细胞定位：细胞浆 细胞膜

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from rat CYP3A1:231-330/504

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： CYP3A proteins are P450 monooxygenases and in animals, P450 enzymes serve two major functions: biosynthesis of steroids, fatty acids and bile acids, and the metabolism of endogenous and exogenous substrates. A wide variety of exogenous substrates are metabolized by P450 enzymes, including toxins and drugs. The four major families involved in drug metabolism are CYP1, 2, 3 and 4. The hepatic CYP3A1 protein is detected throughout ciliated and nonciliated cells in seven-day-old rats, and is only detected in the apex of these cells in adult rats. Rat CYP3A1 and CYP3A2 share 89% homology, but differ by three out of five of their C-terminal residues.

Function:

In animals, P-450 enzymes serve two major functions: (1) biosynthesis of steroids, fatty acids, and bile acids; (2) metabolism of endogenous and a wide variety of exogenous substrates, such as toxins and drugs. The four major families involved in drug metabolism are CYP 1,2,3, and 4. Cytochrome P450 3A4 [human-3A1 Rat] is abundantly expressed in liver and small intestine and is inducible by barbiturates, glucocorticoids and rifampicin.

Subcellular Location:

Endoplasmic reticulum, membrane bound.

Post-translational modifications:

Polyubiquitinated in the presence of AMFR and UBE2G1 and also STUB1/CHIP and UBE2D1 (in vitro).

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

P04800

Gene ID:

25642

Database links:

Entrez Gene: 25642 Rat

SwissProt: P04800 Rat

Important Note:

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

产品图片

