



CP4AM Polyclonal Antibody

Catalog No	YP-Ab-06704
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CYP4A22
Immunogen	Synthesized peptide derived from part region of human protein AA range: 403-453
Specificity	CP4AM Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CP4AM;CYP4A22;Cytochrome P450 4A22 (CYP4A22) (Fatty acid omega-hydroxylase) (Lauric acid omega-hydroxylase) (EC 1.14.15.3)
Observed Band	57kD
Calculated Molecular Weight	57kD
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
Tissue Specificity	Kidney,Liver,
Function	catalytic activity:Octane + reduced rubredoxin + O(2) = 1-octanol + oxidized rubredoxin + H(2)O.,caution:Was originally (PubMed:10860550) termed CYP4A11.,function:Catalyzes the omega- and (omega-1)-hydroxylation of various fatty acids such as laurate and palmitate. Shows no activity towards arachidonic acid and prostaglandin A1. Lacks functional activity in the kidney and does not contribute to renal 20-hydroxyeicosatetraenoic acid (20-HETE) biosynthesis.,online information:CYP4A22 alleles,similarity:Belongs to the cytochrome P450 family.,

Background

cytochrome P450 family 4 subfamily A member 22(CYP4A22) Homo sapiens
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 gene is part of a cluster of cytochrome P450 genes on chromosome 1p33. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images