



CP4FC Polyclonal Antibody

Catalog No	YP-Ab-06703
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CYP4F12 UNQ568/PRO1129
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CP4FC 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	CYP1VF12;Cytochrome P450 4F12;EC:1.14.14.1;UNQ568/PRO1129;CP4FC;CYP4F12 UNQ568/PRO1129;Cytochrome P450 4F12 (EC 1.14.14.1) (CYP1VF12)
Observed Band	50-60 kDa
Calculated Molecular Weight	524 aa, 60 kDa
Cell Pathway	Endoplasmic reticulum membrane . Microsome membrane .
Tissue Specificity	Expressed in small intestine, liver, colon and heart.
Function	catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,function:Catalyzes leukotriene B4 omega-hydroxylation and arachidonic acid omega-hydroxylation but with an activity much lower than that of CYP4F2. Catalyzes the hydroxylation of the antihistamine ebastine.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Expressed in small intestine, liver, colon and heart.,
Background	cytochrome P450 family 4 subfamily F member 12(CYP4F12) 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 protein likely localizes to the endoplasmic reticulum. When expressed in yeast the enzyme is capable of oxidizing arachidonic acid. It can also catalyze the epoxidation of 22:6n-3 and 22:5n-3 polyunsaturated long-chain fatty acids. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014],

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