



# CP4AM Polyclonal Antibody

<b>Catalog No</b>	BYab-06704
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CYP4A22
<b>Protein Name</b>	Cytochrome P450 4A22 (CYPIVA22) (Fatty acid omega-hydroxylase) (Lauric acid omega-hydroxylase) (EC 1.14.15.3)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein AA range: 403-453
<b>Specificity</b>	CP4AM Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	57kD
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
<b>Tissue Specificity</b>	Kidney,Liver,
<b>Function</b>	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-hydroxyecosatetraenoic acid (20-HETE) biosynthesis.,online information:CYP4A22 alleles,similarity:Belongs to the cytochrome P450 family.,
<b>Background</b>	cytochrome P450 family 4 subfamily A member 22(CYP4A22) Homo sapiens This gene encodes a member of the cytochrome P450 superfamily of enzymes.

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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