
Product name:	CYP4A11/22 Rabbit Polyclonal Antibody
Cat number:	ABN09669
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 4A11/22. AA range:391-440
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight:	60kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	cytochrome P450 family 4 subfamily A member 11(CYP4A11) 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 localizes to the endoplasmic reticulum and hydroxylates medium-chain fatty acids such as laurate and myristate. Multiple transcript variants have been found for this gene. [provided by RefSeq, Jan 2016],catalytic activity:Octane + reduced rubredoxin + O(2) = 1-octanol + oxidized rubredoxin + H(2)O.,cofactor:Heme group.,function:Catalyzes the omega- and (omega-1)-hydroxylation of various fatty acids such as laurate, myristate and palmitate. Has little activity toward prostaglandins A1 and E1. Oxidizes arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE).,online information:CYP4A11 alleles,polymorphism:CYP4A11v seems to be a rare allelic variant of CYP4A11, it seems to be unstable and not to metabolize lauric acid.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Kidney and liver.,