



Anti-CYP4A11 monoclonal antibody (DCABH-11199)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human CYP4A11 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [CYP4A11 cytochrome P450, family 4, subfamily A, polypeptide 11 \[Homo sapiens \]](#)

Official Symbol	CYP4A11
Synonyms	CYP4A11; cytochrome P450, family 4, subfamily A, polypeptide 11; CYP4A2, cytochrome P450, subfamily IVA, polypeptide 11; cytochrome P450 4A11; CYP4AII; CYPIVA11; P450HL-omega; 20-HETE synthase; alkane-1 monooxygenase; cytochrome P450HL-omega; cytochrome P-450HK-omega; fatty acid omega-hydroxylase; lauric acid omega-hydroxylase; 20-hydroxyeicosatetraenoic acid synthase; cytochrome P450, subfamily IVA, polypeptide 11; CP4Y; CYP4A2;
Entrez Gene ID	1579
Protein Refseq	NP_000769
UniProt ID	Q02928
Chromosome Location	1p33
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Fatty Acid Omega Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	alkane 1-monooxygenase activity; arachidonic acid epoxygenase activity; arachidonic acid omega-hydroxylase activity; electron carrier activity; heme binding; leukotriene-B4 20-monooxygenase activity; metal ion binding; monooxygenase activity; oxidoreducta