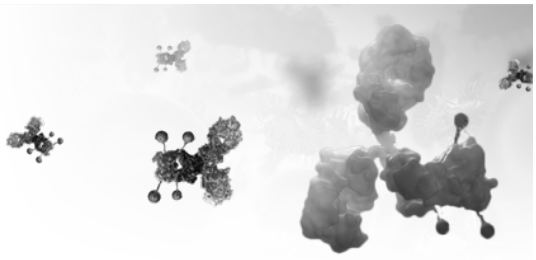

Human CYP4A11 blocking peptide (DAG-P0407)

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. [provided by RefSeq, Jul 2008]
Specificity	Kidney and liver.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the cytochrome P450 family.
Format	Liquid
Buffer	Constituent: 100% Acetonitrile
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: 100% Acetonitrile

GENE INFORMATION

Gene Name	CYP4A11 cytochrome P450, family 4, subfamily A, polypeptide 11 [Homo sapiens (human)]
Official Symbol	CYP4A11

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Synonyms	CYP4A11; cytochrome P450, family 4, subfamily A, polypeptide 11; CP4Y; CYP4A2; CYP4AII; cytochrome P450 4A11; 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;
Entrez Gene ID	1579
mRNA Refseq	NM_000778.3
Protein Refseq	NP_000769.2
UniProt ID	Q02928
Chromosome Location	1p33
Pathway	Arachidonic acid metabolism, organism-specific biosystem; 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; Eicosanoids, organism-specific biosystem; Fatty Acid Omega Oxidation, organism-specific biosystem; Fatty acid degradation, organism-specific biosystem; Fatty acid degradation, conserved biosystem; Fatty acid
Function	alkane 1-monooxygenase activity; arachidonic acid epoxygenase activity; arachidonic acid omega-hydroxylase activity; heme binding; iron ion binding; leukotriene-B4 20-monooxygenase activity;

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