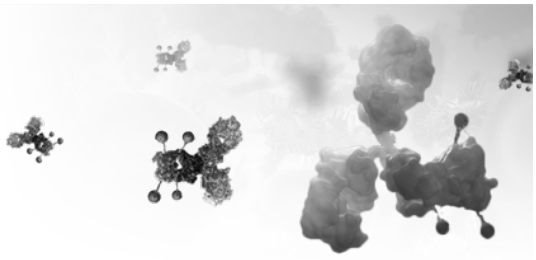

Anti-CYP4F8 monoclonal antibody (DCABH-11203)

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

PRODUCT INFORMATION

Antigen Description	This gene, CYP4F8, 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 functions as a 19-hydroxylase of prostaglandins in seminal vesicles. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F3, is approximately 18 kb away.
Immunogen	A synthetic peptide of human CYP4F8 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.

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GENE INFORMATION

Gene Name	CYP4F8 cytochrome P450, family 4, subfamily F, polypeptide 8 [Homo sapiens]
Official Symbol	CYP4F8
Synonyms	CYP4F8; cytochrome P450, family 4, subfamily F, polypeptide 8; cytochrome P450, subfamily IVF, polypeptide 8; cytochrome P450 4F8; microsomal monooxygenase; flavoprotein-linked monooxygenase; CPF8; CYPIVF8;
Entrez Gene ID	11283
Protein Refseq	NP_009184
UniProt ID	P98187
Chromosome Location	19p13.1
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; Eicosanoids, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	alkane 1-monooxygenase activity; aromatase activity; electron carrier activity; heme binding; metal ion binding; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen;

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