



Anti-CYP2F1 (aa 191-290) polyclonal antibody (DPAB-DC686)

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 is known to dehydrogenate 3-methylindole, an endogenous toxin derived from the fermentation of tryptophan, as well as xenobiotic substrates such as naphthalene and ethoxycoumarin. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q.
Immunogen	CYP2F1 (NP_000765, 191 a.a. ~ 290 a.a) partial recombinant protein with GST tag. The sequence is DDERLLTIIRLINDNFQIMSSPWGELYDIFPSLLDWVPGPHQRIFQNFKCLRDLIAHSVH DHQASLDPRSPRDFIQCFCLKMAEEKEDPLSHFMDTLLM
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CYP2F1 cytochrome P450, family 2, subfamily F, polypeptide 1 [Homo sapiens (human)]
Official Symbol	CYP2F1
Synonyms	CYP2F1; cytochrome P450, family 2, subfamily F, polypeptide 1; C2F1; CYP2F; cytochrome P450 2F1; CYP1IF1; microsomal monooxygenase; xenobiotic monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily IIF, polypeptide 1;
Entrez Gene ID	1572
Protein Refseq	NP_000765
UniProt ID	P24903
Chromosome Location	19q13.2
Pathway	Biological oxidations; Cytochrome P45 - arranged by substrate type; Metabolism; Metabolism of xenobiotics by cytochrome P45.
Function	aromatase activity; heme binding; iron ion binding; monooxygenase activity