



# Anti-CYP4F3 (aa 100-198) polyclonal antibody (DPAB-DC1875)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene, CYP4F3, 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. The enzyme starts the process of inactivating and degrading leukotriene B4, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F8, is approximately 18 kb away. Three transcript variants encoding two different isoforms have been found for this gene.
<b>Immunogen</b>	CYP4F3 (NP_000887, 100 a.a. ~ 198 a.a) partial recombinant protein with GST tag. The sequence is RIFHPTYIKPVLFAAAIVPKDKVFYSFLKPWLGDGLLSAGEKWSRHRRLTPAFHFNI LKPYMKIFNESVNIMHAKWQLLASEGSARLDMFEHISLM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">CYP4F3 cytochrome P450, family 4, subfamily F, polypeptide 3 [ Homo sapiens (human) ]</a>
Official Symbol	CYP4F3
Synonyms	CYP4F3; cytochrome P450, family 4, subfamily F, polypeptide 3; CPF3; CYP4F; LTB4H; leukotriene-B(4) omega-hydroxylase 2; CYP4F3; cytochrome P-450; cytochrome P450 4F3; cytochrome P450-LTB-omega; leukotriene-B4 20-monooxygenase; leukotriene B4 omega hydroxylase; leukotriene-B(4) 20-monooxygenase 2; cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase);
Entrez Gene ID	<a href="#">4051</a>
Protein Refseq	<a href="#">NP_000887</a>
UniProt ID	<a href="#">A0A024R7J8</a>
Chromosome Location	19p13.2
Pathway	Arachidonic acid metabolism; Biological oxidations; Eicosanoids; Metabolism.
Function	alpha-tocopherol omega-hydroxylase activity; heme binding; iron ion binding; leukotriene-B4 20-monooxygenase activity