



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

Antigen Description	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.
Immunogen	CYP4F3 (NP_000887, 100 a.a. ~ 198 a.a) partial recombinant protein with GST tag. The sequence is RIFHPTYIKPVLFAPAAIVPKDKVFYSFLKPWLGDGLLLSAGEKWSRHRRLMTPAFHFNI LKPYMKIFNESVNIMHAKWQLLASEGSARLDMFEHISLM
Source/Host	Mouse
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	CYP4F3 cytochrome P450, family 4, subfamily F, polypeptide 3 [Homo sapiens (human)]
Official Symbol	CYP4F3
Synonyms	CYP4F3; cytochrome P450, family 4, subfamily F, polypeptide 3; CPF3; CYP4F; LTB4H; leukotriene-B(4) omega-hydroxylase 2; CYPIVF3; cytochrome P-450; cytochrome P450 4F3; cytochrome P450-LTB-omega; leukotriene-B4 20-monoxygenase; leukotriene B4 omega hydroxylase; leukotriene-B(4) 20-monoxygenase 2; cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase);
Entrez Gene ID	4051
Protein Refseq	NP_000887
UniProt ID	A0A024R7J8
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-monoxygenase activity