



Rabbit Anti-CYP4F3 antibody

SL14160R

Product Name:	CYP4F3
Chinese Name:	细胞色素P450 F3抗体
Alias:	CP4F3_HUMAN; CPF3; CYP4F; Cyp4f3; CYP4F3; Cytochrome P450 4F3; Cytochrome P450 LTB omega; Cytochrome P450, family 4, subfamily F, polypeptide 3; Cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase); Cytochrome P450, subfamily IVF, polypeptide 3; Cytochrome P450-LTB-omega; Leukotriene B(4) 20 monooxygenase; Leukotriene B(4) omega hydroxylase; leukotriene B4 omega hydroxylase; Leukotriene-B(4) 20-monooxygenase 2; Leukotriene-B(4) omega-hydroxylase 2; leukotriene-B4 20-monooxygenase; LTB4 omega-hydroxylase; LTB4H.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CYP4F3:51-150/520
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

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. [provided by RefSeq, Nov 2010]

Function:

Cytochromes P450 are a group of heme-thiolate monooxygenases. This enzyme requires molecular oxygen and NADPH for the omega-hydroxylation of LTB4, a potent chemoattractant for polymorphonuclear leukocytes.

Subcellular Location:

Endoplasmic reticulum membrane. Microsome membrane.

Tissue Specificity:

Expressed in the polymorphonuclear leukocytes as well as leukocytes.

Similarity:

Belongs to the cytochrome P450 family.

SWISS:

Q08477

Gene ID:

4051

Database links:

[Entrez Gene: 4051](#) Human

[Omim: 601270](#) Human

[SwissProt: Q08477](#) Human

[Unigene: 106242](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail: