SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CYP4F3 antibody

Catalog Number: SL14160R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYP4F3
Immunogen:	KLH conjugated synthetic peptide derived from human CYP4F3: 51-150/520
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit)
Predicted MW.:	60kDa
Subcellular Location:	cytoplasmic
Background:	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.

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

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	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. **Database links:** **Entrez Gene:** 4051 Human Omim: 601270 Human **SwissProt:** Q08477 Human **Unigene:** 106242 Human

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