

## CP4F3 Rabbit pAb

CatalogNo: YN0183

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat,Mouse,

#### Applications

- WB,ELISA

#### MW

- 57kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 400-480

**Specificity** CP4F3 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** CYP4F3 LTB4H

<b>Protein Name</b>	Leukotriene-B(4) omega-hydroxylase 2 (CYP4F3) (Cytochrome P450 4F3) (Cytochrome P450-LTB-omega) (Leukotriene-B(4) 20-monooxygenase 2)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">4051</a> ;	<a href="#">Q08477</a> ;
	Mouse		<a href="#">Q99N16</a> ;
	Rat		<a href="#">Q3MID2</a> ;
<b>Cellular Localization</b>	Endoplasmic reticulum membrane ; Single-pass membrane protein . Microsome membrane ; Single-pass membrane protein .		
<b>Tissue specificity</b>	[Isoform CYP4F3A]: Selectively expressed in blood neutrophils and bone marrow cells. Coexpressed with CYP4F3B in prostate, ileum and trachea. ; [Isoform CYP4F3B]: Selectively expressed in liver and kidney. It is also the predominant CYP4F isoform in trachea and tissues of the gastrointestinal tract.		
<b>Function</b>	Catalytic activity:(6Z,8E,10E,14Z)-(5S,12R)-5,12-dihydroxyicosa-6,8,10,14-tetraenoate + NADPH + O(2) = (6Z,8E,10E,14Z)-(5S,12R)-5,12,20-trihydroxyicosa-6,8,10,14-tetraenoate + NADP(+) + H(2)O.,cofactor:Heme group.,enzyme regulation:Inhibited by carbon monoxide (CO).,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.,pathway:Lipid metabolism; leukotriene B4 degradation.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Expressed in the polymorphonuclear leukocytes as well as leukocytes.,		

| Validation Data

| Contact information

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