



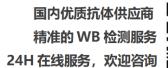
CP4F3 Polyclonal Antibody

Immunogen Synthesized peptide derived from human protein . at AA range: 400-480 Specificity CP4F3 Polyclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 ELISA 1:5000-20000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Cell Pathway Chapter of Endoplasmic reticulum membrane; Single-pass membrane protein. Microson membrane; Single-pass membrane protein. Tissue Specificity [Isoform CYP4F3A]: Selectively expressed in blood neutrophils and bone mancells. Coexpressed with CYP4F3B in prostate, ileum and trachea.; [Isoform CYP4F3B]: Selectively expressed in liver and kidney. It is also the predominan CYP4F isoform in trachea and tissues of the gastrointestinal tract. Function 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 carbo		
Reactivity Human;Rat;Mouse; Applications WB;ELISA Gene Name CYP4F3 LTB4H Protein Name Leukotriene-B(4) omega-hydroxylase 2 (EC 1.14.13.30) (CYPIVF3) (Cytochrome P450-LTB-omega) (Leukotriene-B(4) 20-monoxygenase 2) Immunogen Synthesized peptide derived from human protein . at AA range: 400-480 Specificity CP4F3 Polyclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 ELISA 1:5000-20000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Observed Band 57kD Cell Pathway Endoplasmic reticulum membrane; Single-pass membrane protein . Microson membrane; Single-pass membrane protein . Ilsoform CYP4F3A]: Selectively expressed in blood neutrophilis and bone mancells. Coexpressed with CYP4F3B in prostate, ileum and trachea.; [Isoform CYP4F3B]: Selectively expressed in blood neutrophilis and bone mancells. Coexpressed with CYP4F3B in prostate, ileum and trachea.; [Isoform CYP4F3B]: Selectively expressed in blood neutrophilis and bone mancells. Coexpressed with CYP4F3B in prostate, ileum and trachea.; [Isoform CYP4F3B]: Selectively expressed in blood neutrophilis and bone mancells. 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. Function (atalytic activity: (62.8E, 10E, 14Z)-(5S, 12R)-5, 12-dihydroxyicosa-6, 8, 10, 14-tetraenoate + NADPI(+) + H(2)O., cofactor: Heme group, enzyme regulation: Inhibited by carbo	Catalog No	BYab-05057
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monooxygenases. This enzyme requires molecular oxygen and NADPH for th	Function	activíty:(6Z,8E,10E,14Z)-(5S,12R)-5,12-dihydroxyicosa-6,8,10,14-tetraenoate + NADPH + O(2) =

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	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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