



[Go to Product page](#)

Datasheet for ABIN7163435
anti-CYP4F2 antibody (AA 268-373) (Biotin)

Overview

Quantity:	100 µg
Target:	CYP4F2
Binding Specificity:	AA 268-373
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4F2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Phylloquinone omega-hydroxylase CYP4F2 protein (268-373AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CYP4F2
Alternative Name:	CYP4F2 (CYP4F2 Products)
Background:	Background: Omega-hydroxylase that oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids and xenobiotics. Plays a key role in vitamin K catabolism by

Target Details

mediating omega-hydroxylation of vitamin K1 (phylloquinone), and menaquinone-4 (MK-4), a form of vitamin K2. Hydroxylation of phylloquinone and MK-4 probably regulates blood coagulation (PubMed:19297519, PubMed:24138531). Also shows arachidonic acid omega-hydroxylase activity in kidney, by mediating conversion of arachidonic acid to 20-hydroxyeicosatetraenoic acid (20-HETE), possibly influencing blood pressure control (PubMed:10660572, PubMed:17341693, PubMed:18574070). Also acts as a leukotriene-B(4) omega-hydroxylase by mediating conversion of leukotriene-B(4) (LTB4) to its omega-hydroxylated metabolite 20-hydroxyleukotriene-B(4) (20-OH LTB4) (PubMed:8026587, PubMed:9799565).

Aliases: CYP4F2 Cytochrome P450 4F2 antibody, EC 1.14.14.1 antibody, 20-hydroxyeicosatetraenoic acid synthase antibody, 20-HETE synthase antibody, Arachidonic acid omega-hydroxylase antibody, CYP11B2 antibody, Cytochrome P450-LTB-omega antibody, Docosahexaenoic acid omega-hydroxylase antibody, EC 1.14.14.79 antibody, Leukotriene-B(4) 20-monooxygenase 1 antibody, Leukotriene-B(4) omega-hydroxylase 1 antibody, EC 1.14.14.94 antibody, Phylloquinone omega-hydroxylase CYP4F2 antibody, EC 1.14.14.78 antibody

UniProt: [P78329](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.