Datasheet for ABIN7163437 anti-CYP4F2 antibody (AA 268-373) (HRP)

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Overview

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

Product Details

Immunogen:	Recombinant Human Phylloquinone omega-hydroxylase CYP4F2 protein (268-373AA)
Isotype:	lgG
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

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	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: CYP4F2Cytochrome P450 4F2 antibody, EC 1.14.14.1 antibody, 20-
	hydroxyeicosatetraenoic acid synthase antibody, 20-HETE synthase antibody, Arachidonic acid
	omega-hydroxylase antibody, CYPIVF2 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.

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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.

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