antibodies - online.com







anti-CYP4F2 antibody (AA 268-373)





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Quantity:	100 μg
Target:	CYP4F2
Binding Specificity:	AA 268-373
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4F2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

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

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 1.14.14.78 antibody, Phylloquinone omega-hydroxylase CYP4F2 antibody, EC 1.14.14.78 antibody

UniProt: P78329

Pathways: Monocarboxylic Acid Catabolic Process

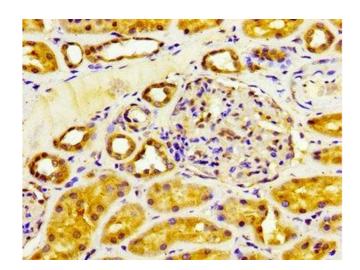
Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

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.



Immunohistochemistry

Image 1. IHC image of ABIN7163434 diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.