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Datasheet for ABIN6258077 anti-CYP4F11 antibody (C-Term)

Image



Overview

Quantity:	100 µL
Target:	CYP4F11
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP4F11 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Cytochrome P450 4F11, corresponding to a region within C-terminal amino acids.
lsotype:	lgG
Specificity:	Cytochrome P450 4F11 Antibody detects endogenous levels of total Cytochrome P450 4F11.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	CYP4F11
Alternative Name:	CYP4F11 (CYP4F11 Products)

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Target Details

Background:	Description: Omega-hydroxylase that oxidizes a variety of structurally unrelated compounds, including 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:24138531). Catalyzes omega-hydroxylation of 3-hydroxy fatty acids, such as 3- hydroxypalmitate, 3-hydroxyoleate, 3-hydroxyarachidonate, and 3-hydroxystearate (PubMed:18065749, PubMed:19932081). Oxidizes drugs such as erythromycin, benzphetamine, ethylmorphine, chlorpromazine and imipramine (PubMed:15364545). Gene: CYP4F11
Molecular Weight:	60 kDa
Gene ID:	57834
UniProt:	Q9HBI6
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells, using Cytochrome P450 4F11 antibody.The lane on the left is treated with the antigen-specific peptide.

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