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Datasheet for ABIN1714515
anti-CYP2A6 antibody (AA 388-494)

Overview

Quantity:	100 µL
Target:	CYP2A6
Binding Specificity:	AA 388-494
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2A6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP2A/Cytochrome P450 2A6
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep
Purification:	Purified by Protein A.

Target Details

Target:	CYP2A6
Alternative Name:	CYP2A/Cytochrome P450 2A6 (CYP2A6 Products)

Target Details

Background: Synonyms: Coumarin 7 hydroxylase, Coumarin 7-hydroxylase, CP2A6_HUMAN, CPA6, CYP2A, CYP2A3, CYP2A6, CYP2A6, CYP2A6, Cytochrome P450 2A6, Cytochrome P450 IIA3, Cytochrome P450 subfamily IIA phenobarbital inducible polypeptide 6, Cytochrome P450I, Cytochrome P450, family 2 subfamily A polypeptide 6, Flavoprotein linked monooxygenase, P450C2A, P450PB, Xenobiotic monooxygenase.

Background: P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds (1). Several P450 enzymes have been classified by sequence similarities as members of the CYP1A and CYP2A subfamilies (2). NADPH cytochrome P450 reductase is a microsomal enzyme responsible for the transfer of electrons from NADPH to cytochrome P450 enzymes during the P450 catalytic cycle (3,4). NADPH cytochrome P450 reductase is localized to the endoplasmic reticulum where it is also able to transfer electrons to heme oxygenase and cytochrome b5 (5,6). NADPH cytochrome P450 reductase is structurally related to two separate flavoprotein families, ferredoxin nucleotide reductase (FNR) and flavodoxin (7). Electron transfer of NADPH cytochrome P450 reductase requires the binding of two flavin cofactors, FAD and FMN, to the FNR and flavodoxin domains, respectively (8).

Gene ID: 1548

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months