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Cytochrome P450 2B1 Rabbit pAb

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Catalog # AP55449

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P00176
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55934
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Rat Cytochrome P450 2B1
Epitope Specificity	301-400/491
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane bound, endoplasmic reticulum
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	phenobarbitol-inducible member of the p450 xenobiotic-inducible superfamily involved in hydroxylation of decanoic and other fatty acids [RGD, Feb 2006]

Additional Information

Other Names	Cytochrome P450 2B1, 1.14.14.1, CYPIIB1, Cytochrome P450-B, Cytochrome P450b, Cytochrome P450-LM2, Cytochrome P450-PB1, Cytochrome P450-PB2, Cyp2b1 {ECO:0000303|PubMed:19401463, ECO:0000312|RGD:2466}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Cyp2b1 {ECO:0000303|PubMed:19401463, ECO:0000312|RGD:2466}
Function	Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds,

	including steroids, fatty acids, and xenobiotics.
Cellular Location	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein Mitochondrion inner membrane; Peripheral membrane protein. Note=Post- translationally targeted to mitochondria. Requires the cytosolic chaperones HSP70 and HSP90, for initial targeting to mitochondria, and then requires all three of the receptor proteins in the TOM complex, TOMM70, TOMM20 and TOMM22 for translocation across the mitochondrial outer membrane. After translocation into the matrix, associates with the inner membrane as a membrane extrinsic protein

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.