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Anti-CYP2E1 Antibody (aa352-401)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18040

Product Information

Application	WB, IHC-P, E
Primary Accession	P05181
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	56849

Additional Information

Gene ID	1571
Alias Symbol	CYP2E1
Other Names	CYP2E1, 4-nitrophenol 2-hydroxylase, CPE1, Cytochrome p450 IIe1, Cytochrome P450-J, p450C2E, p450-J, CYP2E, CYPIIE1, Cytochrome P450 2E1
Target/Specificity	Cytochrome P450 2E1 antibody detects endogenous levels of Cytochrome P450 2E1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CYP2E1 Antibody (aa352-401) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CYP2E1 {ECO:0000303|PubMed:10553002, ECO:0000312|HGNC:HGNC:2631}
Function	A cytochrome P450 monooxygenase involved in the metabolism of fatty acids (PubMed:10553002, PubMed:18577768). Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (NADPH--hemoprotein reductase) (PubMed:10553002, PubMed:18577768). Catalyzes the hydroxylation of carbon-hydrogen bonds. Hydroxylates fatty acids specifically at the omega-1 position displaying the highest catalytic activity for saturated fatty acids (PubMed:10553002, PubMed:18577768). May be involved in the oxidative metabolism of xenobiotics (Probable).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P05182}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05182}. Microsome

membrane {ECO:0000250|UniProtKB:P05182}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05182}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:P05182}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05182}. Note=Post-translationally targeted to mitochondria. TOMM70 is required for the translocation across the mitochondrial outer membrane. After translocation into the matrix, associates with the inner membrane as a membrane extrinsic protein {ECO:0000250|UniProtKB:P05182}

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