

Anti-CYP2E1 Antibody (aa371-420)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18071**Specification****Anti-CYP2E1 Antibody (aa371-420) - Product Information**

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

Anti-CYP2E1 Antibody (aa371-420) - Additional Information**Gene ID** 1571Alias Symbol **CYP2E1****Other Names**

CYP2E1, 4-nitrophenol 2-hydroxylase, CPE1, Cytochrome p450 11e1, Cytochrome P450-J, p450C2E, p450-J, CYP2E, CYP11E1, Cytochrome P450 2E1

Target/Specificity

Cytochrome P450 2E1 Antibody detects endogenous levels of total Cytochrome P450 2E1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-CYP2E1 Antibody (aa371-420) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CYP2E1 Antibody (aa371-420) - 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}

Anti-CYP2E1 Antibody (aa371-420) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CYP2E1 Antibody (aa371-420) - Images