

Cytochrome P450 2E1 Rabbit mAb
Catalog # AP79033**Specification****Cytochrome P450 2E1 Rabbit mAb - Product Information**

Application	WB
Primary Accession	P05181
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	56849

Cytochrome P450 2E1 Rabbit mAb - Additional Information

Gene ID 1571

Other Names

CYP2E1

Dilution

WB~~1/500-1/1000

Format

Liquid

Cytochrome P450 2E1 Rabbit mAb - 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}

Cytochrome P450 2E1 Rabbit mAb - 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](#)

Cytochrome P450 2E1 Rabbit mAb - Images



