

**Anti-CYP2E1 Rabbit Monoclonal Antibody**  
Catalog # ABO13870

**Specification**

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**Anti-CYP2E1 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05181</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-CYP2E1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

**Anti-CYP2E1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 1571

**Other Names**

Cytochrome P450 2E1, 1.14.14.1, 4-nitrophenol 2-hydroxylase, 1.14.13.n7, CYP11E1, Cytochrome P450-J, CYP2E1 {ECO:0000303|PubMed:10553002, ECO:0000312|HGNC:HGNC:2631}

**Calculated MW**

56849 MW KDa

**Application Details**

WB 1:500-1:2000

**Subcellular Localization**

Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human CYP2E1

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## Anti-CYP2E1 Rabbit Monoclonal Antibody - 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:<a href="http://www.uniprot.org/citations/10553002" target="\_blank">10553002</a>, PubMed:<a href="http://www.uniprot.org/citations/18577768" target="\_blank">18577768</a>). 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:<a href="http://www.uniprot.org/citations/10553002" target="\_blank">10553002</a>, PubMed:<a href="http://www.uniprot.org/citations/18577768" target="\_blank">18577768</a>). 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:<a href="http://www.uniprot.org/citations/10553002" target="\_blank">10553002</a>, PubMed:<a href="http://www.uniprot.org/citations/18577768" target="\_blank">18577768</a>). May be involved in the oxidative metabolism of xenobiotics (Probable).

### Cellular Location

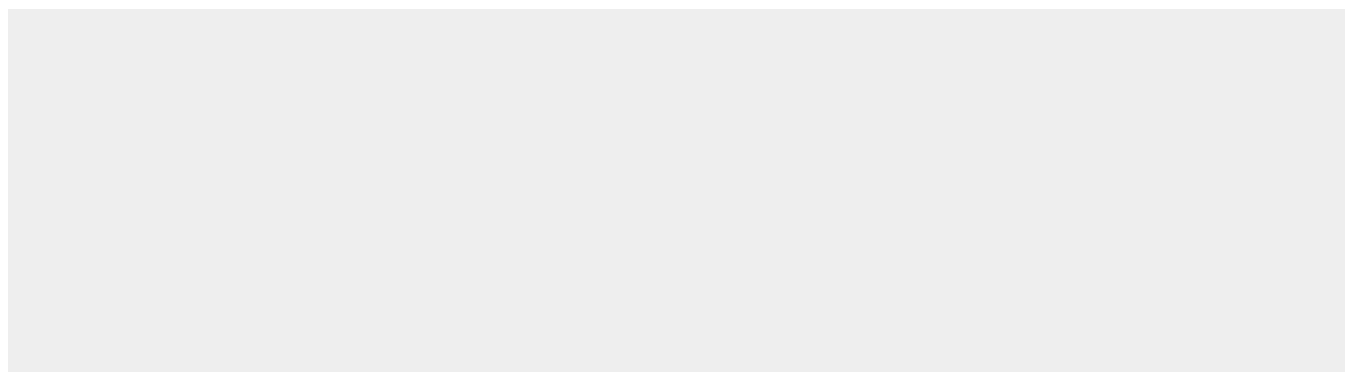
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P05182}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05182}. Microsome membrane {ECO:0000250|UniProtKB:P05182}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05182}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:P05182}; Peripheral 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}

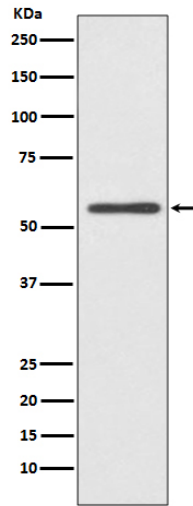
## Anti-CYP2E1 Rabbit Monoclonal Antibody - Protocols

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 Rabbit Monoclonal Antibody - Images





Western blot analysis of CYP2E1 expression in HeLa cell lysate.