

Cytochrome P450 2E1 (CYP2E1) Rabbit mAb

Catalog No.: A23030 **Recombinant**

Basic Information

Observed MW

57kDa

Calculated MW

57kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC58001

Background

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer.

Recommended Dilutions

WB 1:2000 - 1:10000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

1571

Swiss Prot

P05181

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 234-493 of human Cytochrome P450 2E1 (CYP2E1) (NP_000764.1).

Synonyms

CPE1; CYP2E; P450-J; P450C2E; Cytochrome P450 2E1 (CYP2E1)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

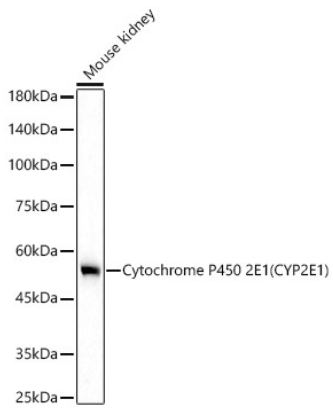
Affinity purification

Storage

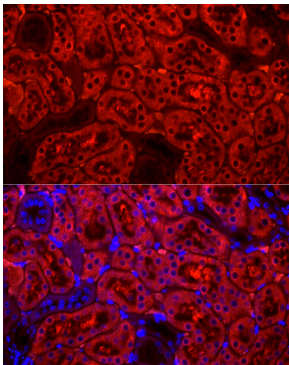
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from mouse kidney, using Cytochrome P450 2E1 (CYP2E1) antibody (A23030) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunofluorescence analysis of mouse kidney using Cytochrome P450 2E1 (CYP2E1) Rabbit mAb (A23030) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.