

CYP7A1 Mouse mAb

Catalog No.: A22897 **4 Publications**

Basic Information

Observed MW

58 kDa

Calculated MW

58 kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

AMC0581

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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis.

Recommended Dilutions

WB 1:500 - 1:1000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1581

Swiss Prot

P22680

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CP7A; CYP7; CYPVII; CYP7A1

Contact

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Product Information

Source

Mouse

Isotype

IgG1 κ

Purification

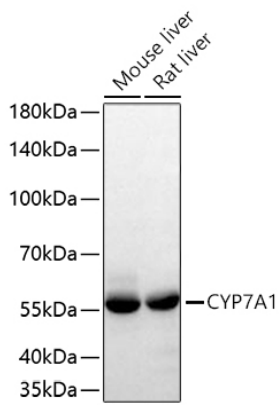
Affinity purification

Storage

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

Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, negative IgG, pH7.3

Validation Data



Western blot analysis of various lysates using CYP7A1 Mouse mAb (A22897) at 1:1000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.