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CYP7A1 Mouse mAb

Catalog No.: A22897 **5 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	1:1000 - 1:2000
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

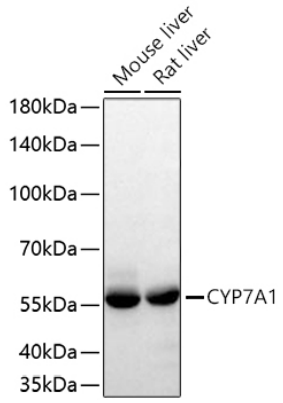
Source
Mouse

Isotype
IgG1 κ

Purification
Affinity purification

Storage
Store at -20℃

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.

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