

CYP7B1 Rabbit pAb

Catalog No.: A17872 **3 Publications**

Basic Information

Observed MW

55kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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 of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis. Mutations in this gene have been associated with hereditary spastic paraplegia (SPG5 or HSP), an autosomal recessive disorder.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

9420

Swiss Prot

O75881

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CYP7B1 (NP_004811.1).

Synonyms

CP7B; CBAS3; SPG5A; CYP7B1

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

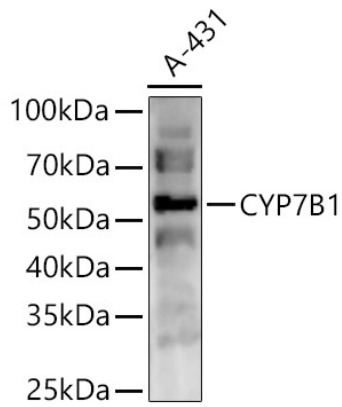
Affinity purification

Storage

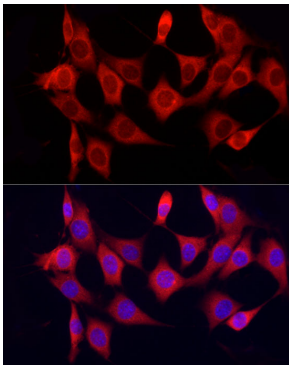
Store at -20°C. Avoid freeze / thaw cycles.

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

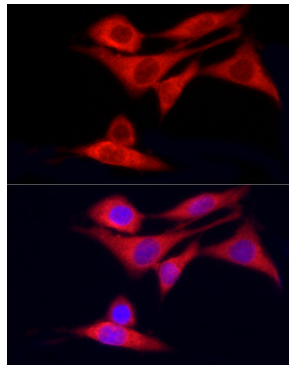
Validation Data



Western blot analysis of A-431, using CYP7B1 antibody (A17872) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunofluorescence analysis of NIH/3T3 cells using CYP7B1 Rabbit pAb (A17872) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using CYP7B1 Rabbit pAb (A17872) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.