CYP7B1 Polyclonal Antibody

Catalog Number:E-AB-91945

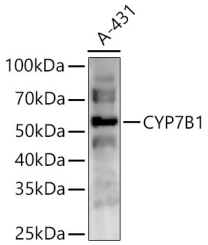
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

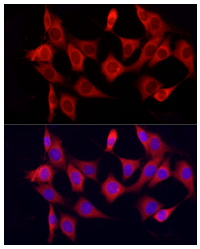
Reactivity	Human,Mouse,Rat
Immunogen	A synthetic peptide of human CYP7B1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% proclin300,50% glycerol,pH7.3.

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50-1:200

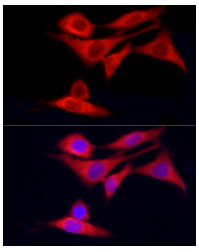
Data



Western blot analysis of A-431 using CYP7B1 Polyclonal Antibody at 1:2000 dilution.
Observed Mw:55KDa
Calculated Mw:58kDa



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



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

Preparation & Storage

Storage Store at -20℃. Avoid freeze/thaw cycles.

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

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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.

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