

Datasheet for ABIN7147604
anti-CYP7A1 antibody (AA 303-423)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CYP7A1
Binding Specificity:	AA 303-423
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP7A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Cholesterol 7-alpha-monooxygenase protein (303-423AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CYP7A1
Alternative Name:	CYP7A1 (CYP7A1 Products)
Background:	Background: Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol

Target Details

homeostasis.

Aliases: Cholesterol 7 alpha hydroxylase antibody, Cholesterol 7 alpha monooxygenase antibody, Cholesterol 7-alpha-hydroxylase antibody, Cholesterol 7-alpha-monooxygenase antibody, CP7A antibody, CP7A1_HUMAN antibody, CYP 7 antibody, CYP7 antibody, CYP7A1 antibody, CYPVII antibody, Cytochrome P450 7A1 antibody, Cytochrome P450, family 7, subfamily A, polypeptide 1 antibody, Cytochrome P450, subfamily VIIA (cholesterol 7 alpha monooxygenase), antibody, Cytochrome P450, subfamily VIIA (cholesterol 7 alpha-monooxygenase), polypeptide 1 antibody, MGC126826 antibody, MGC138389 antibody

UniProt: [P22680](#)

Pathways: [Steroid Hormone Biosynthesis](#), [Carbohydrate Homeostasis](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

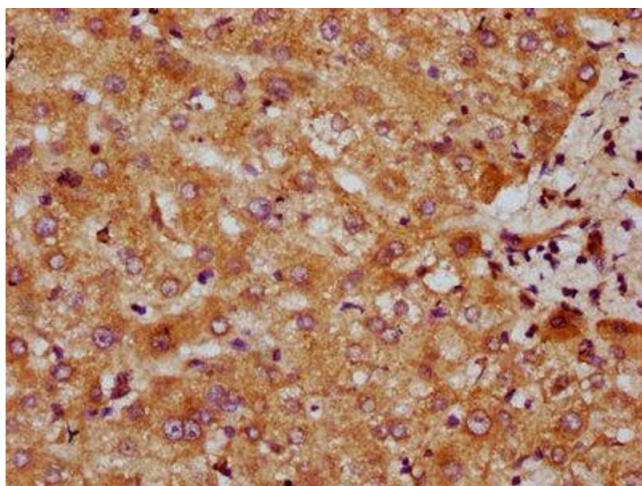
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

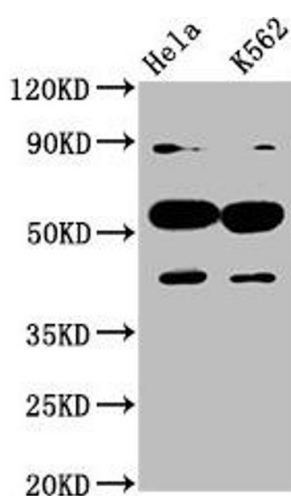
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7147604 diluted at 1:300 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, K562 whole cell lysate. All lanes: CYP7A1 antibody at 4.5 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 58 kDa. Observed band size: 58 kDa.