


Product datasheet

Anti-CYP7A1 antibody ab65596

★★★★★ [4 Abreviews](#) [47 References](#) [1 Image](#)

Overview

Product name	Anti-CYP7A1 antibody
Description	Rabbit polyclonal to CYP7A1
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Dog, Human, Pig, Rhesus monkey 
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human CYP7A1. Read Abcam's proprietary immunogen policy (Peptide available as ab69726 .)
Positive control	WB: High Fat Diet and regular Mouse Liver lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab65596 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Predicted molecular weight: 57 kDa.
ELISA		Use at an assay dependent concentration.

Target

Function

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 homeostasis.

Tissue specificity

Detected in liver.

Pathway

Lipid metabolism; bile acid biosynthesis.

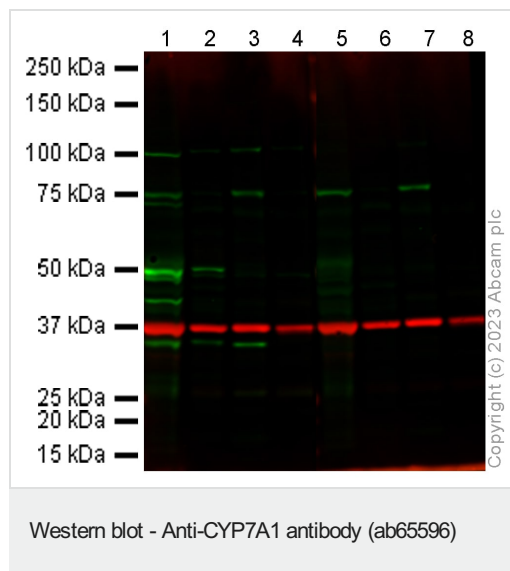
Sequence similarities

Belongs to the cytochrome P450 family.

Cellular localization

Endoplasmic reticulum membrane. Microsome membrane.

Images



All lanes : Anti-CYP7A1 antibody (ab65596) at 1 µg/ml

Lanes 1 & 5 : High Fat Diet Mouse Liver lysate

Lanes 2 & 6 : Mouse Liver lysate

Lanes 3 & 7 : Mouse Thymus lysate

Lanes 4 & 8 : Mouse Colon lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 57 kDa

Observed band size: 50 kDa

Primary antibody (Green) - ab65596 without (Lanes 1-4) and with (Lanes 5-8) immunising peptide.

Loading Control (Red) - **ab8245** at 0.1 µg/ml, all lanes.

Secondary antibody - Goat anti-Rabbit IgG H&L (IRDye® 800CW)
preabsorbed at 1/10000 dilution and Goat anti-Mouse IgG H&L
(IRDye® 680RD) preabsorbed at 1/10000 Dilution.

Blocking Buffer - 3% Milk

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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