


Product datasheet

Anti-CYP27A1 antibody ab227248

[2 References](#) [3 Images](#)

Overview

Product name	Anti-CYP27A1 antibody
Description	Rabbit polyclonal to CYP27A1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rhesus monkey 
Immunogen	Recombinant fragment within Human CYP27A1 (internal sequence). The exact sequence is proprietary. Database link: Q02318
Positive control	IHC-P: HeLa xenograft tissue. WB: Mouse liver lysate; HepG2 whole cell 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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

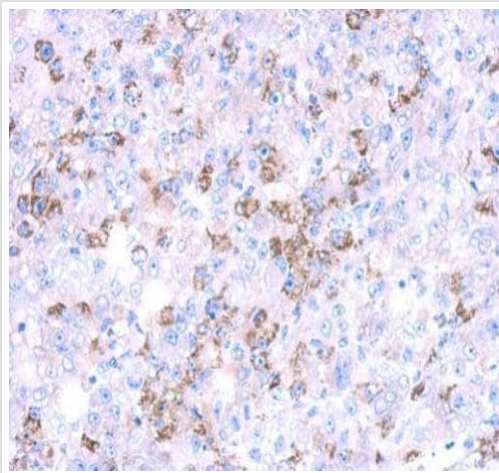
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab227248 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 60 kDa.

Target

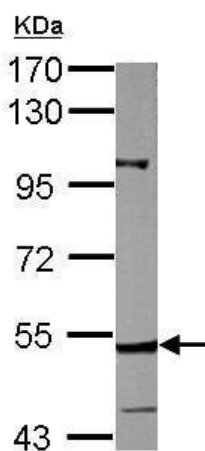
Function	Catalyzes the first step in the oxidation of the side chain of sterol intermediates; the 27-hydroxylation of 5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol. Has also a vitamin D3-25-hydroxylase activity.
Pathway	Hormone biosynthesis; cholecalciferol biosynthesis.
Involvement in disease	Cerebrotendinous xanthomatosis
Sequence similarities	Belongs to the cytochrome P450 family.
Cellular localization	Mitochondrion membrane.

Images



Paraffin-embedded HeLa xenograft tissue stained for CYP27A1 using ab227248 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP27A1 antibody (ab227248)

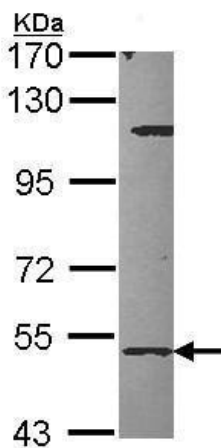


Western blot - Anti-CYP27A1 antibody (ab227248)

Anti-CYP27A1 antibody (ab227248) at 1/1000 dilution + Mouse liver lysate at 50 µg

Predicted band size: 60 kDa

7.5% SDS-PAGE gel.



Western blot - Anti-CYP27A1 antibody (ab227248)

Anti-CYP27A1 antibody (ab227248) at 1/1000 dilution + HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

Predicted band size: 60 kDa

7.5% SDS-PAGE gel.

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

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