



Product datasheet

Anti-CYP8B1 antibody ab236607

3 Images

Overview

Product name	Anti-CYP8B1 antibody
Description	Rabbit polyclonal to CYP8B1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human CYP8B1 aa 300-450. Database link: Q9UNU6
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
Positive control	IHC-P: Human liver and liver cancer tissue. ICC/IF: HepG2 cells.
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: 7.40 Preservative: 0.03% Proclin 300 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Purification notes	Purity >95%.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236607 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		1/200 - 1/500.
ICC/IF		1/50 - 1/200.

Target

Function

Involved in bile acid synthesis and is responsible for the conversion of 7 alpha-hydroxy-4-cholesten-3-one into 7 alpha, 12 alpha-dihydroxy-4-cholesten-3-one. Responsible for the balance between formation of cholic acid and chenodeoxycholic acid. Has a rather broad substrate specificity including a number of 7-alpha-hydroxylated C27 steroids.

Tissue specificity

Liver.

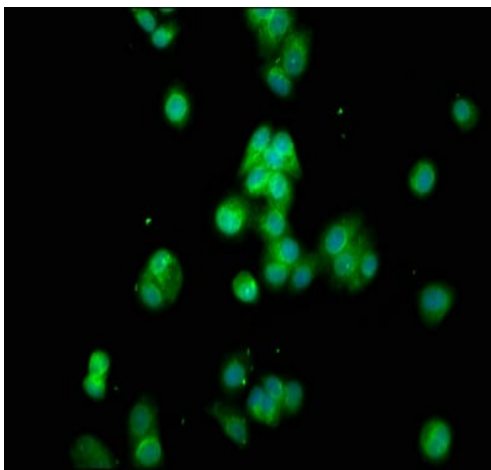
Sequence similarities

Belongs to the cytochrome P450 family.

Cellular localization

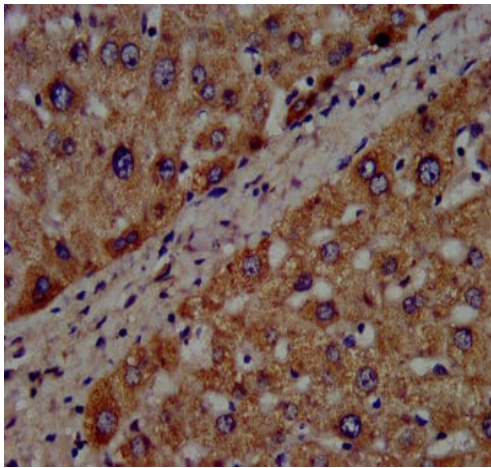
Endoplasmic reticulum membrane. Microsome membrane.

Images



4% formaldehyde-fixed, 0.2% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling CYP8B1 (green) using ab236607 at 1/100 dilution in ICC/IF. Counter stained with DAPI (blue). The cells were blocked in 10% normal goat serum and incubated with primary antibody at 4°C overnight. The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L).

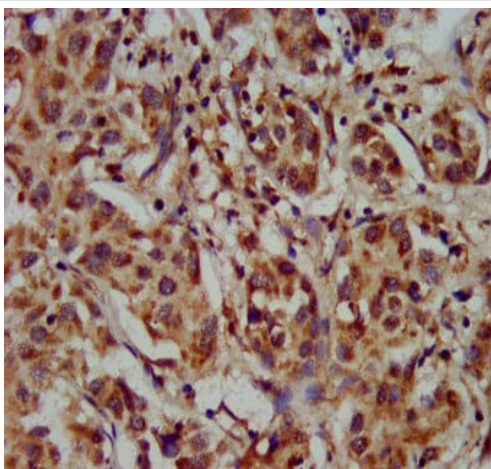
Immunocytochemistry/ Immunofluorescence - Anti-CYP8B1 antibody (ab236607)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP8B1 antibody (ab236607)

Paraffin-embedded human liver tissue stained for CYP8B1 using ab236607 at 1/300 dilution in immunohistochemical analysis.

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 for 30 minutes 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP8B1 antibody (ab236607)

Paraffin-embedded human liver cancer tissue stained for CYP8B1 using ab236607 at 1/300 dilution in immunohistochemical analysis.

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 for 30 minutes 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.

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

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