


# Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free ab214800

リコンビナント RabMAb

## 2 References [画像数 6](#)

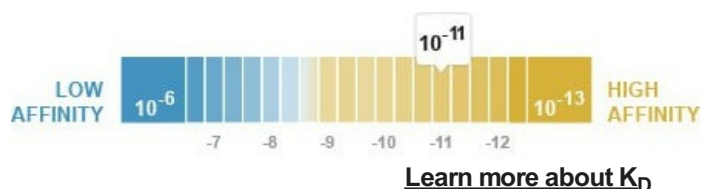
### 製品の概要

<b>製品名</b>	Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free
<b>製品の詳細</b>	Rabbit monoclonal [EPR7529] to CYP27A1 - BSA and Azide free
<b>由来種</b>	Rabbit
<b>アプリケーション</b>	<b>適用あり:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF
<b>種交差性</b>	<p><b>交差種:</b> Mouse, Human</p> <p><b>交差が予測される動物種:</b> Rat </p>
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>ポジティブ・コントロール</b>	HepG2, Caco 2, Human fetal liver and Mouse liver lysates; Human kidney and liver tissues; HepG2 cells.
<b>特記事項</b>	<p>ab214800 is the carrier-free version of <a href="#">ab126785</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 6.00 x 10 <sup>-11</sup> M



バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR7529
アイソタイプ	IgG

## アプリケーション

**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab214800の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 60 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

## ターゲット情報

機能	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.
パスウェイ	Hormone biosynthesis; cholecalciferol biosynthesis.
関連疾患	Cerebrotendinous xanthomatosis

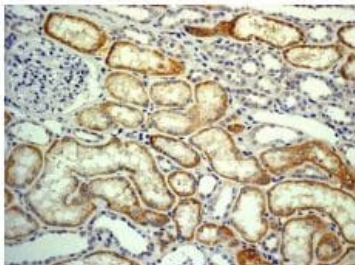
配列類似性

Belongs to the cytochrome P450 family.

細胞内局在

Mitochondrion membrane.

## 画像

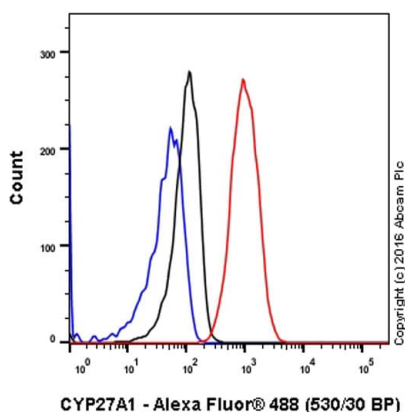


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

**ab126785**, at a 1/100 dilution, staining CYP27A1 in paraffin embedded Human kidney tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126785**).

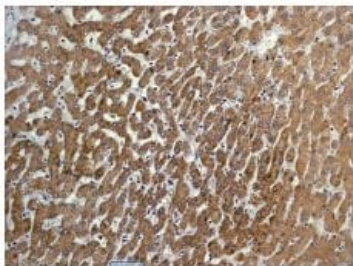
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

Intracellular Flow Cytometry analysis of HepG2 (human hepatocellular carcinoma) cells labeling CYP27A1 (red) with **ab126785** at a 1/120 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with primary and secondary antibodies.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126785**).

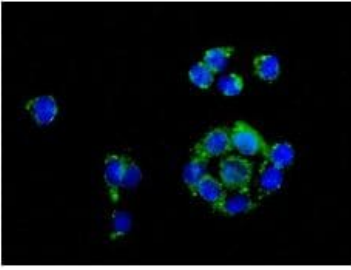


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

**ab126785**, at a 1/100 dilution, staining CYP27A1 in paraffin embedded Human liver tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126785**).

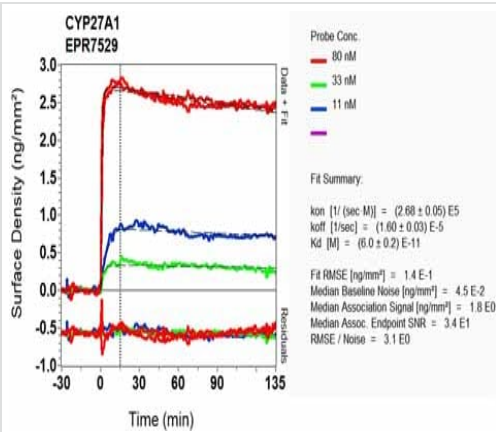
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

**ab126785**, at a 1/50 dilution, staining CYP27A1 in HepG2 cells by Immunofluorescence.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126785**).



Ox-RD Scanning - Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

**[Click here to learn more about  \$K\_D\$](#)**

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126785**).

Why choose a recombinant antibody?

- Research with confidence**  
 Consistent and reproducible results
- Long-term and scalable supply**  
 Recombinant technology
- Success from the first experiment**  
 Confirmed specificity
- Ethical standards compliant**  
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Anti-CYP27A1 antibody [EPR7529] - BSA and Azide free (ab214800)

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