

### Anti-MRP2 antibody [EPR10997(2)] ab187644

敲除验证
重组
RabMAb

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#### 概述

产品名称	Anti-MRP2抗体[EPR10997(2)]
描述	兔单克隆抗体[EPR10997(2)] to MRP2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as <a href="#">ab112272</a> )
阳性对照	Human Liver tissue; Human fetal liver lysate; HepG2 and A549 cell lysates.
常规说明	<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 monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10997(2)
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab187644于以下的经测试应用

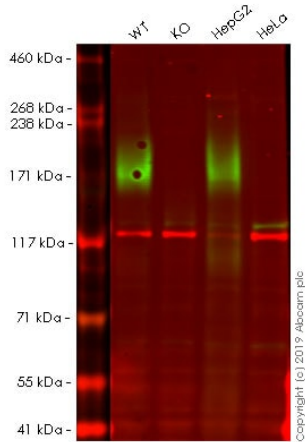
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Predicted molecular weight: 174 kDa.Can be blocked with <b>Recombinant Human MRP2 protein (ab112272)</b> .
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## 靶标

功能	Mediates hepatobiliary excretion of numerous organic anions. May function as a cellular cisplatin transporter.
组织特异性	Found on the apical membrane of polarized cells in liver, kidney and intestine. The highest expression is found in liver.
疾病相关	Defects in ABCC2 are the cause of Dubin-Johnson syndrome (DJS) [MIM:237500]. DJS is an autosomal recessive disorder characterized by conjugated hyperbilirubinemia, an increase in the urinary excretion of coproporphyrin isomer I, deposition of melanin-like pigment in hepatocytes, and prolonged retention of sulfobromophthalein, but otherwise normal liver function.
序列相似性	Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains.
细胞定位	Membrane.

## 图片



Western blot - Anti-MRP2 antibody [EPR10997(2)]  
(ab187644)

**All lanes :** Anti-MRP2 antibody [EPR10997(2)] (ab187644) at 1/1000 dilution

**Lane 1 :** Wild-type A549 (Human lung carcinoma cell line) whole cell lysate

**Lane 2 :** ABCC2 knockout A549 (Human lung carcinoma cell line) whole cell lysate

**Lane 3 :** Hep G2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

**Lane 4 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

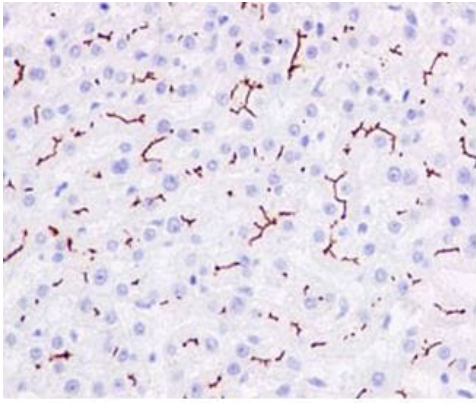
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 174 kDa

**Lanes 1 -4:** Merged signal (red and green). Green - ab187644 observed at 210 kDa. Red - loading control, **ab130007**, observed at 130 kDa.

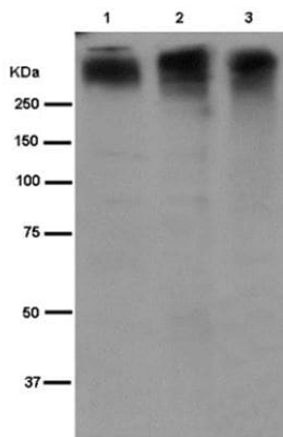
ab187644 was shown to recognize MRP2 in wild-type A549 cells as signal was lost at the expected MW in ABCC2 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and ABCC2 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% Milk. Ab187644 and **ab130007** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/1000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRP2 antibody [EPR10997(2)] (ab187644)

Immunohistochemistry analysis of paraffin-embedded Human liver tissue labeling MRP2 with ab187644 at 1/1000 dilution. A prediluted HRP polymer for Rabbit IgG used as secondary antibody. Counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-MRP2 antibody [EPR10997(2)] (ab187644)

**All lanes** : Anti-MRP2 antibody [EPR10997(2)] (ab187644) at 1/1000 dilution

**Lane 1** : HepG2 lysate

**Lane 2** : A549 lysate

**Lane 3** : Human fetal liver lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 174 kDa

### 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**  
Animal-free production

Anti-MRP2 antibody [EPR10997(2)] (ab187644)

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

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