abcam

Product datasheet

Anti-MRP4 antibody [M4I-10] ab15602

敲除验证

1 Abreviews 36 References 2 图像

概述

产品名称	Anti-MRP4抗体[M4I-10]
描述	大鼠单克隆抗体[M4I-10] to MRP4
宿主	Rat
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Mouse, Human
免疫原	Fusion protein corresponding to Human MRP4 aa 350-450. Fusion protein containing the E. coli maltose binding protein and a fragment of the human MRP4 protein corresponding to amino acids 372-431.
阳性对照	Kidney tissue This antibody gave a positive result in IHC in the following FFPE tissue: Human lung adenocarcinoma.
常规说明	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. 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

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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.1% BSA, PBS
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	M4I-10

同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab15602于以下的经测试应用**

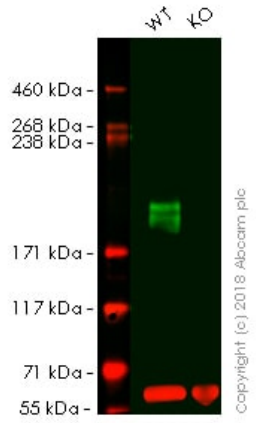
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000. Predicted molecular weight: 159 kDa.

靶标

功能	May be an organic anion pump relevant to cellular detoxification.
组织特异性	Widely expressed, with particularly high levels in prostate, but is barely detectable in liver.
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-MRP4 antibody [M4I-10] (ab15602)

All lanes : Anti-MRP4 antibody [M4I-10] (ab15602) at 20 µg/ml

Lane 1 : Wild-type HAP1 whole cell lysate
Lane 2 : ABCC4 (MRP4) knockout HAP1 whole cell lysate

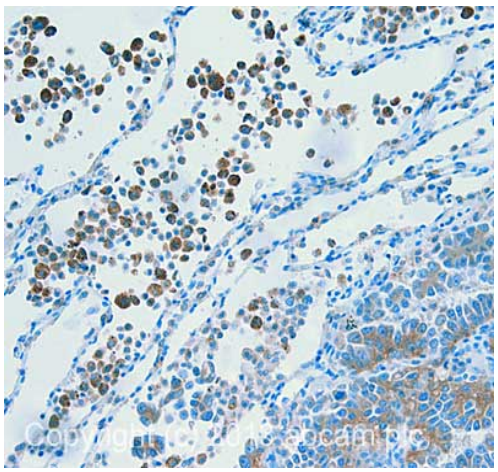
Lysates/proteins at 20 µg per lane.

Predicted band size: 159 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab15602 observed at 200-250 kDa. Red - loading control, **ab176560**, observed at 50 kDa.

ab15602 was shown to specifically react with MRP4 in wild-type HAP1 cells as signal was lost in ABCC4 (MRP4) knockout cells.

Wild-type and ABCC4 (MRP4) knockout samples were subjected to SDS-PAGE. Ab15602 and **ab176560** (Rabbit anti-alpha Tubulin loading control) were incubated overnight at 4°C at 20 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rat IgG H&L (IRDye® 800CW) (**ab253031**) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRP4 antibody [M4I-10] (ab15602)

HC image of MRP4 staining in Human lung adenocarcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab15602, 10µg/ml, for 15 mins at room temperature. A Goat anti-Rat biotinylated secondary antibody (**ab253031**) was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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