

Anti-MRP1 antibody [MRPr1] ab3368

★★★★☆ [2 Abreviews](#) [17 References](#) [3 图像](#)

概述

产品名称	Anti-MRP1抗体[MRPr1]
描述	大鼠单克隆抗体[MRPr1] to MRP1
宿主	Rat
特异性	This antibody detects MRP 1. It does not cross-react with the human MDR 1 and MDR 3 P glycoprotein gene products.
经测试应用	适用于: WB, IHC-Fr, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Fusion protein corresponding to MRP1. Bacterial fusion protein of MRP containing a segment of 168 amino acids in the amino-proximal half of the protein.
表位	Internal epitope.
阳性对照	Cell Lines: Drug-sensitive parental cell lines and their multidrug-resistant derivatives. Tissue section: Breast carcinoma, liver.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium azide Constituents: 0.7% BSA, Tissue culture supernatant, PBS
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	MRPr1

同种型

IgG2a

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab3368于以下的经测试应用

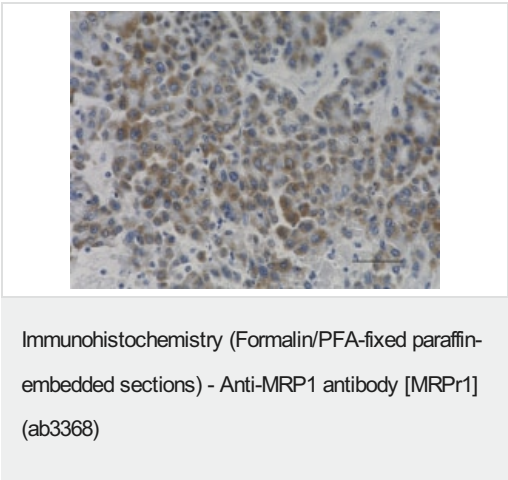
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF		Use a concentration of 5 µg/ml.

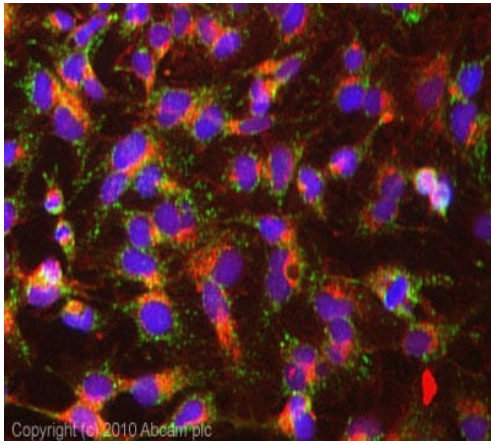
靶标

功能	Mediates export of organic anions and drugs from the cytoplasm. Mediates ATP-dependent transport of glutathione and glutathione conjugates, leukotriene C4, estradiol-17-beta-o-glucuronide, methotrexate, antiviral drugs and other xenobiotics. Confers resistance to anticancer drugs. Hydrolyzes ATP with low efficiency.
组织特异性	Lung, testis and peripheral blood mononuclear cells.
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	Cell membrane.

图片

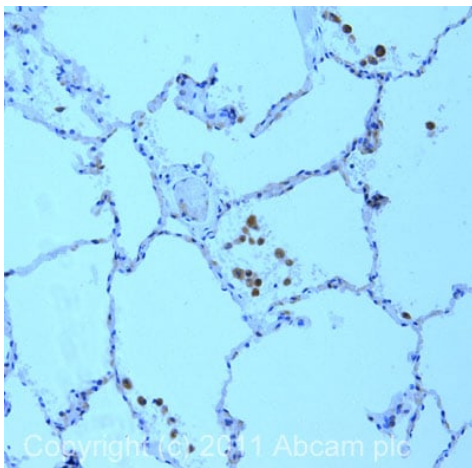


IHC staining of ab3368 on formalin-fixed paraffin-embedded human liver tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with a 1/20 dilution of the primary antibody for 60 minutes at room temperature. After incubation with biotinylated anti-rat antibody, the tissue was labeled with BioLegend's HRP labeling reagent followed by addition of DAB chromogen for detection and hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar 50 µm



Immunocytochemistry/ Immunofluorescence - Anti-MRP1 antibody [MRP1] (ab3368)

ICC/IF image of ab3368 stained HepG2 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3368, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rat IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRP1 antibody [MRP1] (ab3368)

IHC image of ab3368 staining in human lung 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 ab3368, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer 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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