

### Anti-MRP2 antibody [M2III-5] ab15603

KO 評価済

13 References 画像数 1

#### 製品の概要

製品名	Anti-MRP2 antibody [M2III-5]
製品の詳細	Mouse monoclonal [M2III-5] to MRP2
由来種	Mouse
特異性	This antibody does not cross-react with the human MDR1 P-gp, MRP1, MRP3, or MRP5 gene products.
アプリケーション	適用あり: WB
種交差性	交差種: Human 非交差種: Mouse
免疫原	This antibody was raised against a fusion protein of the bacterial maltose binding protein and rat MRP2, containing the 202-amino acid C terminal end of the transporter protein.
エピトープ	ab15603 reacts with an internal epitope of MRP2; a 190-200 kD transmembrane protein earlier known as the canalicular multi-organic anion transporter cMOAT, absent in patients with the Dubin-Johnson syndrome.
特記事項	<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&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.3 Preservative: 0.1% Sodium azide Constituents: Tissue culture supernatant, 0.7% BSA
精製度	Tissue culture supernatant

ポリ/モノ	モノクローナル
クローン名	M2III-5
アイソタイプ	IgG2b

## アプリケーション

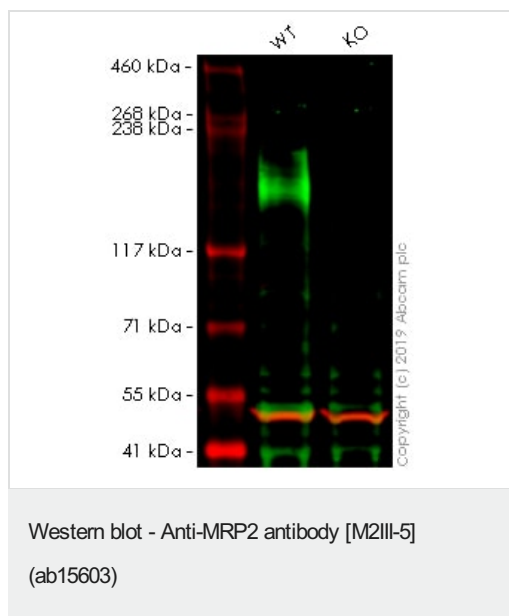
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab15603の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/20 - 1/50. Predicted molecular weight: 185.4 kDa.

## ターゲット情報

機能	Mediates hepatobiliary excretion of numerous organic anions. May function as a cellular cisplatin transporter.
組織特異性	Found on the apical membrane of polarized cells in liver, kidney and intestine. The highest expression is found in liver.
関連疾患	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.
配列類似性	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.
細胞内局在	Membrane.

## 画像



**All lanes :** Anti-MRP2 antibody [M2III-5] (ab15603) at 1/20 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

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 185.4 kDa

**Lanes 1 - 2:** Merged signal (red and green). Green - ab15603 observed at 210 kDa. Red - loading control, **ab52866**, observed at 50 kDa.

ab15603 was shown to recognize ABCC2 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. Ab15603 and **ab52866** (Rabbit anti-alpha Tubulin loading control) were incubated overnight at 4°C at 1/20 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed **ab216772** 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.

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