abcam

Product datasheet

Anti-ABCB4 antibody [P3II-26] ab24108

6 References 1 图像

概述

产品名称 Anti-ABCB4抗体[P3Il-26]

描述 小鼠单克隆抗体[P3II-26] to ABCB4

宿主 Mouse

特异性 Clone P3II-26 does not cross-react with the human ABCB1.

经测试应用 适用于: Flow Cyt

不适用于: IHC-P

种属反应性 与反应: Human

免疫原 Recombinant fragment within Human ABCB4 aa 600-700 (internal sequence). The exact

immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please

contact our Scientific Support team to discuss your requirements.

Run BLAST with
Run BLAST with

表位 Clone P3II-26 reacts with an internal epitope of ABCB4.

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 long

term.

存储溶液 pH: 7.3

Preservative: 0.1% Sodium azide

Constituent: 0.7% BSA

Serum free tissue culture supernatant

纯**度** Protein G purified

 克隆
 单克隆

 克隆编号
 P3II-26

 同种型
 IqG2b

应用

The Abpromise quarantee Abpromise 承诺保证使用ab24108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
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170192 - Mouse monoclonal lgG2b, is suitable for use as an isotype control with this antibody.

应用说明 Is unsuitable for IHC-P.

靶标

功能 Mediates ATP-dependent export of organic anions and drugs from the cytoplasm. Hydrolyzes

ATP with low efficiency. Human MDR3 is not capable of conferring drug resistance. Mediates the

translocation of phosphatidylcholine across the canalicular membrane of the hepatocyte.

疾病相关 Defects in ABCB4 are the cause of progressive familial intrahepatic cholestasis type 3 (PFIC3)

[MIM:602347]. PFIC3 is an autosomal recessive liver disorder presenting with early onset cholestasis that progresses to cirrhosis and liver failure before adulthood. It is characterized by

elevated serum gamma-glutamyltransferase levels.

Defects in ABCB4 are a cause of intrahepatic cholestasis of pregnancy (ICP) [MIM:147480]; also known as obstetric cholestasis. ICP is a multifactorial liver disorder of pregnancy. It presents

during the second or, more commonly, the third trimestre of pregnancy with intense pruritus which becomes more severe with advancing gestation and cholestasis. Cholestasis results from abnormal biliary transport from the liver into the small intestine. ICP causes fetal distress, spontaneous premature delivery and intrauterine death. ICP patients have spontaneous and

progressive disappearance of cholestasis after delivery.

Defects in ABCB4 are a cause of gallbladder disease type 1 (GBD1) [MIM:600803]. It is one of the major digestive diseases. Gallstones composed of cholesterol (cholelithiasis) are the common manifestations in western countries. Most people with gallstones, however, remain

asymptomatic through their lifetimes.

序列相似性 Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC

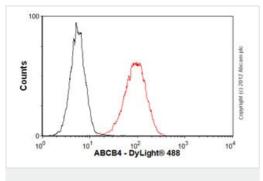
3.A.1.201) subfamily.

Contains 2 ABC transmembrane type-1 domains.

Contains 2 ABC transporter domains.

细**胞定位** Cell membrane.

图片



Flow Cytometry - Anti-ABCB4 antibody [P3II-26] (ab24108)

Overlay histogram showing HeLa cells stained with ab24108 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab24108, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (ab91366, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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