

### Anti-BCRP/ABCG2 antibody [BXP-21] ab3380

★★★★★ **11 Abreviews** **113 References**

#### 概述

产品名称	Anti-BCRP/ABCG2抗体[BXP-21]
描述	小鼠单克隆抗体[BXP-21] to BCRP/ABCG2
宿主	Mouse
特异性	BXP-21 reacts with an internal epitope of BCRP/ABCG2, a 70 kD transmembrane half-transporter which is involved in Multidrug resistance. This antibody does not react with the human MDR1, MRP1 and MRP2 gene products.
经测试应用	<b>适用于:</b> IHC-Fr, IHC-P, ICC/IF, Flow Cyt, ICC
种属反应性	<b>与反应:</b> Human
免疫原	Recombinant fragment within BCRP/ABCG2 aa 250-400. 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 <b>contact</b> our Scientific Support team to discuss your requirements.
阳性对照	IHC-P: Human breast cancer tissue. ICC/IF: MCF7 cells. Caco Cell lysate (see second reference cited).
常规说明	For the WB, please note the subcellular localization and distribution of the BCRP/ABCG2 in Normal Human Tissues: PMID:11309308

We have received mixed feedback from customers, the antibody showed 45-50 kDa band size in A549 and Caco2 cell lines against predicted size of 72kDa. In response to data we have received we no longer guarantee this antibody for western blot. ABCG2 is a multi-pass membrane protein so for troubleshooting we would recommend heating the samples at 60-70C for 15-20 minutes instead of boiling and as this protein exists as homodimer so complete reduction of samples is highly recommended. In case of any other question please email scientific support team.

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: 7.3 Constituent: 0.7% BSA
纯度	Tissue culture supernatant
Primary antibody说明	Breast Cancer Resistance Protein (BCRP) is a 70 kDa ATP-Binding Cassette membrane transport protein involved in multidrug resistance. BCRP may be over-expressed in cancer cell lines selected with doxorubicin / verapamil, topotecan or mitoxantrone.
克隆	单克隆
克隆编号	BXP-21
同种型	IgG2a

## 应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab3380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-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 24136221 <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
ICC		Use at an assay dependent concentration. Acetone fixed cells.

## 靶标

功能	Xenobiotic transporter that may play an important role in the exclusion of xenobiotics from the brain. May be involved in brain-to-blood efflux. Appears to play a major role in the multidrug resistance phenotype of several cancer cell lines. When overexpressed, the transfected cells become resistant to mitoxantrone, daunorubicin and doxorubicin, display diminished intracellular accumulation of daunorubicin, and manifest an ATP-dependent increase in the efflux of rhodamine 123.
组织特异性	Highly expressed in placenta. Low expression in small intestine, liver and colon.
序列相似性	Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily. Contains 1 ABC transmembrane type-2 domain. Contains 1 ABC transporter domain.

翻译后修饰

Glycosylation-deficient ABCG2 is normally expressed and functional.

细胞定位

Cell membrane.

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

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