

### Anti-BCRP/ABCG2 antibody [1H2] ab130244

[7 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-BCRP/ABCG2 antibody [1H2]
<b>Description</b>	Mouse monoclonal [1H2] to BCRP/ABCG2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human, African green monkey
<b>Immunogen</b>	Purified recombinant fragment of Human BCRP/ABCG2 expressed in <i>E. coli</i> .
<b>Positive control</b>	HepG2, COS7 and NIH/3T3 cell lysates; HeLa cells.
<b>General notes</b>	<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>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituent: 99.99% PBS</p>
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1H2
<b>Isotype</b>	IgG1

#### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab130244 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 72 kDa.
ELISA		1/10000.
ICC/IF		1/200 - 1/1000.

## Target

### Function

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.

### Tissue specificity

Highly expressed in placenta. Low expression in small intestine, liver and colon.

### Sequence similarities

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.

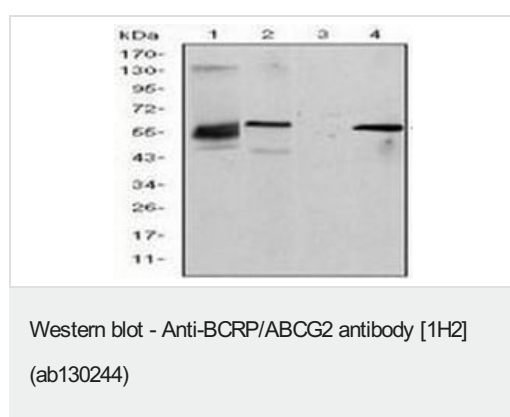
### Post-translational modifications

Glycosylation-deficient ABCG2 is normally expressed and functional.

### Cellular localization

Cell membrane.

## Images



**All lanes :** Anti-BCRP/ABCG2 antibody [1H2] (ab130244) at 1/500 dilution

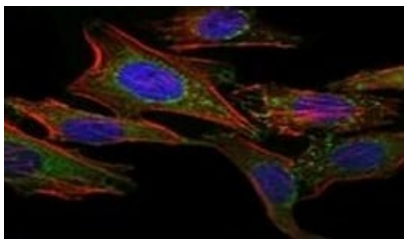
**Lane 1 :** HepG2 cell lysate

**Lane 2 :** COS7 cell lysate

**Lane 3 :** Jurkat cell lysate

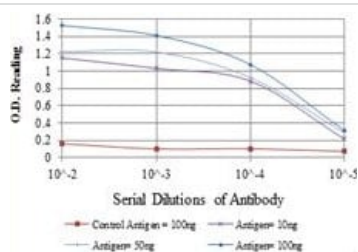
**Lane 4 :** NIH/3T3 cell lysate

**Predicted band size:** 72 kDa



Immunocytochemistry/ Immunofluorescence - Anti-BCRP/ABCG2 antibody [1H2] (ab130244)

ab130244, at 1/200 dilution, staining BCRP/ABCG2 in HeLa cells by Immunofluorescence (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



ELISA using ab130244.

ELISA - Anti-BCRP/ABCG2 antibody [1H2] (ab130244)

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

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