# Anti-BCRP/ABCG2 antibody [EPR2099(2)] ab108312

**Product name:** Anti-BCRP/ABCG2 antibody [EPR2099(2)]

**Description:** Rabbit monoclonal [EPR2099(2)] to BCRP/ABCG2

**Host species:** Rabbit

**Tested applications:** Suitable for: WB

**Unsuitable for:** Flow Cyt, ICC, IHC-P or IP

**Species reactivity:** Reacts with: Human

**Immunogen:** Synthetic peptide within Human BCRP/ABCG2 aa 150-250 (intracellular). The exact sequence is proprietary.

**Positive control:** Human fetal liver, JAR, 293T, HepG2, and Human placenta lysates.

**General notes:** Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#). This product is a **recombinant rabbit monoclonal antibody**.

## Properties

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<tr>
<th>Property</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</td>
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<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.20&lt;br&gt;Preservative: 0.05% Sodium azide&lt;br&gt;Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant</td>
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<tr>
<td><strong>Purity</strong></td>
<td>Tissue culture supernatant</td>
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<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>EPR2099(2)</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
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Applications

Our Abpromise guarantee covers the use of ab108312 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Application notes

Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

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 [EPR2099(2)] (ab108312)
at 1/1000 dilution

Lane 1: Human fetal liver lysate
Lane 2: JAR lysate
Lane 3: 293T lysate
Lane 4: HepG2 lysate
Lane 5: Human placenta lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 72 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"
Our Abpromise to you: Quality guaranteed and expert technical support

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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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