# Breast Cancer Resistance Protein (BXP-21) Monoclonal Antibody

**Catalog Number:** SIG-38822  
**Available Size:** 0.5 mL

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>Monoclonal antibody against Breast Cancer Resistance Protein (BCRP)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clone:</strong></td>
<td>BXP-21</td>
</tr>
<tr>
<td><strong>Host:</strong></td>
<td>Mouse</td>
</tr>
<tr>
<td><strong>IsoType:</strong></td>
<td>IgG2a</td>
</tr>
<tr>
<td><strong>Species Reactivity:</strong></td>
<td>Human</td>
</tr>
</tbody>
</table>

**Also Known As:**  
- ATP-binding cassette sub-family G member 2;  
- ABC transporter; placenta specific MDR protein; breast cancer resistance protein; ATP-binding cassette transporter G2; mitoxantrone resistance-associated protein; placenta-specific ATP-binding cassette transport

**Intended Use:**  
**Research Use Only (RUO)**  
This product is sold for laboratory research use only, not for human or in-vivo use.

**Form:**  
Tissue Culture Supernatant (in PBS with BSA + 0.1%NaN3)

**Specificity:**  
Covance’s clone BXP-21 reacts with an internal epitope of BCRP a 70kDa membrane transport protein involved in multidrug resistance. Clone BXP-21 does not cross react with the human MDR1, MRP1, and MRP2, gene products.

This antibody was developed using a fusion protein composed of E. coli maltose binding protein and BCRP peptide [126 amino acids, 271-396 aa of BCRP, GeneBank Accession # AF098951].

**Uses:**  
This antibody is effective in immunohistochemistry (IHC).

**Suggested Working Dilution:**  
The optimal working dilution should be determined for each specific assay condition.  
- **IHC:** ≥1:20 for Biotin based detection systems such as USA Ultra Streptavidin Detection (SIG-32250).  
  - **Tissue Sections:** Formalin-fixed, paraffin-embedded tissues  
  - **Pretreatment:** For optimal staining, the sections should be pretreated with an antigen unmasking solution such as Citrate Buffer Retrieval Solution (SIG-31932).  
  - **Incubation:** 30 minutes at room temperature

**Storage:**  
Store between 2-8°C.

See reverse side for additional information

Antibody Products: +1.800.922.2226 • +1.510.594.3800
Email: ab.products@covance.com www.covance.com
References:


Warranty/Conditions:
Covance products may not be resold or modified for resale without prior written approval. All sales are subject to Covance Antibody Products Terms and Conditions of Sale.

Datasheet Revision Date:
11/6/2011

Related Products:
- Ultra Streptavidin (USA) Horseradish peroxidase (HRP) 50 Test, Multi-Species, DAB Detection Kit (SIGNET) Catalog Number SIG-32250
- Sodium Citrate H.I.E.R., 1x (SIGNET) Catalog Number SIG-31932