# Product datasheet

## Anti-MRP2 antibody [EPR10998] ab172630

- **Product name**: Anti-MRP2 antibody [EPR10998]
- **Description**: Rabbit monoclonal [EPR10998] to MRP2
- **Host species**: Rabbit
- **Tested applications**:
  - Suitable for: WB, ICC/IF, Flow Cyt
  - Unsuitable for: IHC-P or IP
- **Species reactivity**: Reacts with: Human
- **Immunogen**: Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human MRP2 aa 1500 to the C-terminus (Cysteine residue). The exact sequence is proprietary.
  - Database link: Q92887
- **Positive control**: Human fetal liver, HepG2 and A549 lysates. Permeabilized A549 cells. A549 cells.
- **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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.</td>
</tr>
</tbody>
</table>
| **Storage buffer**     | pH: 7.20  
  - Preservative: 0.01% Sodium azide  
  - Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant |
| **Purity**             | Tissue culture supernatant                                               |
| **Clonality**          | Monoclonal                                                              |
| **Clone number**       | EPR10998                                                                |
| **Isotype**            | IgG                                                                     |
Applications

Our Abpromise guarantee covers the use of ab172630 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>1/250 - 1/500.</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>

Application notes

Is unsuitable for IHC-P or IP.

Target

Function
Mediates hepatobiliary excretion of numerous organic anions. May function as a cellular cisplatin transporter.

Tissue specificity
Found on the apical membrane of polarized cells in liver, kidney and intestine. The highest expression is found in liver.

Involvement in disease
Defects in ABCC2 are the cause of Dubin-Johnson syndrome (DJS) [MIM:237500]. DJS is an autosomal recessive disorder characterized by conjugated hyperbilirubinemia, an increase in the urinary excretion of coproporphyrin isomer I, deposition of melanin-like pigment in hepatocytes, and prolonged retention of sulfobromophthalein, but otherwise normal liver function.

Sequence similarities

Cellular localization
Membrane.
Flow cytometric analysis of permeabilized A549 cells using ab172630 at a 1/100 dilution (red) or a rabbit IgG (negative) (green).

Immunocytochemistry/Immunofluorescence analysis of A549 cells labeling MRP2 with ab172630 at a 1/250 dilution.

All lanes: Anti-MRP2 antibody [EPR10998] (ab172630) at 1/1000 dilution

Lane 1: Human fetal liver lysate
Lane 2: HepG2 lysate
Lane 3: A549 lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 174 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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