Product datasheet

Anti-P Glycoprotein antibody [F4] ab80594

7 References

Overview

Product name Anti-P Glycoprotein antibody [F4]
Description Mouse monoclonal [F4] to P Glycoprotein
Host species Mouse
Specificity ab80594 detects soluble P glycoprotein in the cultured media of viable Adriamycin-resistant cells, whereas those of the drug-sensitive parent cells contain no detectable level of soluble P glycoprotein. We have data to indicate that this antibody may not cross react with Mouse. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.

Tested applications Suitable for: IHC-P, Flow Cyt, ICC/IF
Species reactivity Reacts with: Human, Chinese hamster
Immunogen Human and hamster drug-resistant viable cells followed by crude plasma membranes.
Epitope Extracellular amino terminal half. This epitope is resistant to formalin fixation and periodate oxidation.
Positive control Drug resistant cells. Human kidney or breast carcinoma.
General notes Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab170904 as a replacement.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer pH: 7.40
Constituent: 0.0268% PBS
Purity Protein G purified
Clonality Monoclonal
Clone number F4
Isotype IgG1
Applications

Our Abpromise guarantee covers the use of ab80594 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>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use at an assay dependent concentration. Fixed-cells only. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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Target

Function: Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.

Tissue specificity: Expressed in liver, kidney, small intestine and brain.

Involvement in disease: Genetic variations in ABCB1 are associated with susceptibility to inflammatory bowel disease type 13 (IBD13) [MIM:612244]. Inflammatory bowel disease is characterized by a chronic relapsing intestinal inflammation. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Crohn disease and ulcerative colitis are commonly classified as autoimmune diseases.


Cellular localization: Membrane.

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