Product datasheet

Anti-Glypican 1/ GPC1 antibody ab73979

Overview

Product name          Anti-Glypican 1/ GPC1 antibody
Description           Rabbit polyclonal to Glypican 1/ GPC1
Host species          Rabbit
Tested applications   Suitable for: ICC/IF, WB, IHC-Fr
Species reactivity    Reacts with: Human
                       Predicted to work with: Mouse, Rat
Immunogen             Synthetic peptide derived from the N-terminal domain of human Glypican/GPC1

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          Preservative: None
                       Constituents: Whole serum
Purity                  Whole antiserum
Clonality               Polyclonal
Isotype                 IgG

Applications

Our Abpromise guarantee covers the use of ab73979 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>Use a concentration of 1 µg/ml.</td>
</tr>
<tr>
<td>IHC-Fr</td>
<td></td>
<td>1/50 - 1/100.</td>
</tr>
</tbody>
</table>
### Target

<table>
<thead>
<tr>
<th>Function</th>
<th>Cell surface proteoglycan that bears heparan sulfate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequence similarities</td>
<td>Belongs to the glypican family.</td>
</tr>
<tr>
<td>Post-translational modifications</td>
<td>This cell-associated glypican is further processed to give rise to a medium-released species.</td>
</tr>
<tr>
<td>Cellular localization</td>
<td>Cell membrane and Secreted &gt; extracellular space.</td>
</tr>
</tbody>
</table>

### Images

ICC/IF image of ab73979 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab73979, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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