Overview

Product name: Anti-Integrin alpha V beta 3 antibody [27.1 (VNR-1)]
Description: Mouse monoclonal [27.1 (VNR-1)] to Integrin alpha V beta 3
Host species: Mouse
Specificity: Reacts with the Integrin alpha V beta 3
Tested applications:
  Suitable for: ICC/IF, Flow Cyt, IP, IHC-Fr, Blocking
  Unsuitable for: IHC-P
Species reactivity: Reacts with: Human
Immunogen: The details of the immunogen for this antibody are not available.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer:
  pH: 7.60
  Preservative: 0.1% Sodium azide
  Constituents: 1.45% Sodium chloride, 0.0536% PBS
Purity: Ascites
Purification notes: Purified from ascites.
Clonality: Monoclonal
Clone number: 27.1 (VNR-1)
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab78289 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Target**

**Relevance**


**Cellular localization**


**Images**

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**Application notes**

Is unsuitable for IHC-P.

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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 22655084</td>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use 2µg for 10^6 cells. <em>ab170190</em> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration. 4-10% formalin fixed frozen tissues (short fixation times, 10 minutes room temperature) only’</td>
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<tr>
<td>Blocking</td>
<td></td>
<td>Use at an assay dependent concentration. Competes with clone LM609 for integrin function blocking.</td>
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Immunocytochemistry/Immunofluorescence - Anti-Integrin alpha V beta 3 antibody [27.1 (VNR-1)] (ab78289)


Immunofluorescence analysis of U87MG cells, staining Integrin alpha V beta 3 (red) with ab78289 at 1/500 dilution.

Cells were either untreated (left) or treated with 10 nM PTX for 12 hours (right). Nuclei were stained with DAPI (blue).

Overlay histogram showing A431 cells stained with ab78289 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab78289, 2µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. The isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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