**Product datasheet**

**Anti-Integrin beta 5 antibody ab15459**

★★★★★ 3 Abreviews  21 References  3 Images

**Overview**

**Product name**  Anti-Integrin beta 5 antibody

**Description**  Rabbit polyclonal to Integrin beta 5

**Host species**  Rabbit

**Tested applications**  Suitable for: ICC/IF, IHC-Fr, IP, IHC-P

**Species reactivity**  Reacts with: Mouse, Rat, Human

**Predicted to work with:** Hamster ▲

**Immunogen**  Synthetic peptide within Human Integrin beta 5 aa 750 to the C-terminus (C terminal). The exact sequence is proprietary.

Database link: P18084

**Positive control**  Small intestine, bone marrow and colon carcinoma HeLa Cells Rat gastric epithelial

**Properties**

**Form**  Liquid

**Storage instructions**  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

**Storage buffer**  pH: 7.6

Preservative: 0.1% Sodium azide

Constituents: 0.0268% PBS, 1% BSA

**Purity**  Immunogen affinity purified

**Clonality**  Polyclonal

**Isotype**  IgG

**Applications**

Our Abpromise guarantee covers the use of **ab15459** 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>
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<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>1/20</td>
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Function

Integrin alpha-V/beta-5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.

Sequence similarities

Belongs to the integrin beta chain family.
Contains 1 PSI domain.
Contains 1 VWFA domain.

Cellular localization

Membrane.

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<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 22025551</td>
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<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 22025551</td>
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<tr>
<td>IHC-P</td>
<td>1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
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Target

Images

ICC/IF image of ab15459 stained HeLa cells (ab150035ab15459), 1µg/ml overnight at +4°C. The secondary antibody (green) was a goat anti-rabbit Alexa Fluor® 488 (IgG; H+L) ab150077) 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.

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Immunocytochemistry/ Immunofluorescence - Anti-Integrin beta 5 antibody (ab15459)
Human small intestine (ab29276) stained with anti-Integrin beta 5 antibody, ab15459 by Immunohistochemistry (FFPE-sections).

ab15459 staining Integrin beta 5 in Rat gastric epithelial cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton and blocked with 0.25% serum free protein for 20 minutes at 28°C. Samples were incubated with primary antibody (1/50 in antibody diluent) for 2 hours at 28°C. An FITC-conjugated Goat anti-IgG polyclonal (1/80) was used as the secondary antibody. Nuclei were counterstained with propidium iodide (ab14083).

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