# Anti-Syntenin antibody ab19903

**Product name**
Anti-Syntenin antibody

**Description**
Rabbit polyclonal to Syntenin

**Host species**
Rabbit

**Tested applications**
Suitable for: IHC-P, IHC-FoFr, ICC/IF, WB

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

Predicted to work with: Monkey, Zebrafish

**Immunogen**
Synthetic peptide corresponding to Mouse Syntenin aa 250 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin.

(Peptide available as ab20431)

**Positive control**
HEK 293 cells, human, rat and mouse heart lysate

## 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 or -80°C. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
</tbody>
</table>

## Applications

Our Abpromise guarantee covers the use of ab19903 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**
Seems to function as an adapter protein. In adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA). May also play a role in vesicular trafficking. Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway.

**Tissue specificity**
Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta.

**Sequence similarities**
Contains 2 PDZ (DHR) domains.

**Post-translational modifications**
Phosphorylated on tyrosine residues.

**Cellular localization**

**Images**

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)
Lane 2: Syntenin knockout HAP1 whole cell lysate (20 µg)
Lane 3: A549 whole cell lysate (20 µg)
Lane 4: HeLa whole cell lysate (20 µg)

Lanes 1-4: Merged signal (red and green). Green - ab19903 observed at 32 kDa. Red - loading control, ab130007, observed at 130 kDa.

ab19903 was shown to recognize Syntenin in wild-type HAP1 cells as signal was lost at the expected MW in Syntenin knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and Syntenin knockout samples were subjected to SDS-PAGE. ab19903 and ab130007 (Mouse anti-
Vinculin loading control) were incubated overnight at 4°C at 1 μg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ab216773 and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ab216776 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

All lanes: Anti-Syntenin antibody (ab19903) at 1 µg/ml

Lane 1: Mouse heart lysate
Lane 2: Rat heart lysate
Lane 3: Mouse heart lysate with Mouse Syntenin peptide (ab20431) at 1 µg/ml
Lane 4: Rat heart lysate with Mouse Syntenin peptide (ab20431) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

Secondary
All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab6721) at 1/50000 dilution

Predicted band size: 32 kDa
Observed band size: 32 kDa
Additional bands at: 50 kDa. We are unsure as to the identity of these extra bands.

ab19903 detects a band of the expected size (32kDa) in both
mouse and rat heart lysate. This band is quenched completely by the addition of the immunizing peptide in the mouse lysate and is partially quenched by the addition of ab20431 in the rat heart lysate.

Immunocytochemistry/ Immunofluorescence - Anti-Syntenin antibody (ab19903)

Image courtesy of Human Protein Atlas
ab19903 staining Syntenin in human heart tissue. Paraffin-embedded tissue was cut into 4μm sections and incubated with ab19903 (1/100 dilution) for 30 minutes at room temperature. Antigen retrieval was performed by heat induction in citrate buffer pH 6. ab19903 was tested in a tissue microarray (TMA) containing a wide range of normal and cancer tissues as well as a cell microarray consisting of a range of commonly used, well characterised human cell lines. Further results for this antibody can be found at www.proteinatlas.org

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syntenin antibody (ab19903)

IHC-FoFr image of Syntenin staining using ab19903 (1:1000) on Mouse cortex (A) and mouse paraventricular nucleus (B). The sections used came from animals perfused fixed with Paraformaldehyde 4% with 15% of a solution of saturated picric acid, in phosphate buffer 0.1M. Following postfixation in the same fixative overnight, the brains were cryoprotected in sucrose 30% overnight. Brains were then cut using a cryostat and the immunostainings were performed using the ‘free floating’ technique.
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors