Product datasheet

Anti-BCA1 antibody ab112521

★★★★☆ 5 Abreviews  3 References  2 Images

Overview

Product name  Anti-BCA1 antibody
Description  Rabbit polyclonal to BCA1
Host species  Rabbit
Tested applications  Suitable for: WB, ICC/IF
Species reactivity  Reacts with: Rat, Human
Predicted to work with: Mouse
Immunogen  A synthetic peptide corresponding to a sequence at the C-terminal of Human BCA1.

Properties

Form  Liquid
Storage buffer  Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide
Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity  Protein A purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab112521 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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</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 µg/ml. Predicted molecular weight: 13 kDa. Recombinant tested only. The detection limit for BCA1 is approximately 2.5ng/lane under non-reducing and reducing conditions.</td>
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<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration.</td>
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**Function**

Chemotactic for B-lymphocytes but not for T-lymphocytes, monocytes and neutrophils. Does not induce calcium release in B-lymphocytes. Binds to BLR1/CXCR5.

**Tissue specificity**

Highest levels in liver, followed by spleen, lymph node, appendix and stomach. Low levels in salivary gland, mammary gland and fetal spleen.

**Sequence similarities**

Belongs to the intercrine alpha (chemokine CxC) family.

**Cellular localization**

Secreted.

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**Images**

ab112521 staining BCA1 in Rat brain tissue sections by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with Triton X-100 1% in PBS and blocked with 2% BSA for 20 minutes at 21°C. Samples were incubated with primary antibody (1/1000 in PBS-T) for 12 hours. An Alexa Fluor®594-conjugated Donkey anti-rabbit polyclonal (1/1000) was used as the secondary antibody.

**All lanes**: Anti-BCA1 antibody (ab112521)

**Lane 1**: Recombinant human BCA1 protein at 0.01 µg

**Lane 2**: Recombinant human BCA1 protein at 0.005 µg

**Lane 3**: Recombinant human BCA1 protein at 0.0025 µg

**Predicted band size**: 13 kDa

**Observed band size**: 11 kDa

**why is the actual band size different from the predicted?**

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

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