## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-BST2/Tetherin antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Mouse polyclonal to BST2/Tetherin</td>
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<tr>
<td><strong>Host species</strong></td>
<td>Mouse</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB, IHC-P, ICC/IF</td>
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<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Full length protein corresponding to Human BST2/Tetherin. Database link: NP_004326.1</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>Human spleen tissue lysate, Jurkat cell lysate and BST2/Tetherin transfected 293T cell lysate Human kidney tissue HeLa cell</td>
</tr>
<tr>
<td><strong>General notes</strong></td>
<td>This product was previously labelled as BST2</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.20  Constituent: 2.68% PBS</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein A purified</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
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## Applications

Our Abpromise guarantee covers the use of ab88523 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**

May be involved in the sorting of secreted proteins (By similarity). May be involved in pre-B-cell growth. Antiretroviral defense protein, that blocks release of retrovirus from the cell surface. Depleted upon HIV-1 infection by viral VPU protein through 20S proteasome degradation. Depleted upon infection by human Kaposi's sarcoma-associated herpesvirus (KSHV) through ubiquitination and subsequent degradation. May play a role in B-cell activation in rheumatoid arthritis.

**Tissue specificity**

Predominantly expressed in liver, lung, heart and placenta. Lower levels in pancreas, kidney, skeletal muscle and brain. Overexpressed in multiple myeloma cells. Highly expressed during B-cell development, from pro-B precursors to plasma cells. Highly expressed on T-cells, monocytes, NK cells and dendritic cells (at protein level).

**Sequence similarities**

Belongs to the tetherin family.

**Domain**

The extracellular coiled coil domain is important for virus retention at the cell surface and prevention of virus spreading.

**Post-translational modifications**

Monoubiquitinated by KSHV E3 ubiquitin-protein ligase K5, leading to its targeting to late endosomes and degradation.

**Cellular localization**


**Images**

Anti-BST2/Tetherin antibody (ab88523) at 1 µg/ml + human spleen tissue lysate at 50 µg

**Predicted band size:** 20 kDa

**Observed band size:** 30 kDa

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

## Application | Abreviews | Notes
--- | --- | ---
WB |  | Use a concentration of 1 µg/ml. Predicted molecular weight: 20 kDa.
IHC-P |  | Use a concentration of 3 µg/ml.
ICC/IF |  | Use a concentration of 10 µg/ml.
Anti-BST2/Tetherin antibody (ab88523) at 1 µg/ml + jurkat cell lysate at 50 µg

**Predicted band size:** 20 kDa

**Observed band size:** 30 kDa  *why is the actual band size different from the predicted?*

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BST2/Tetherin antibody (ab88523)**

ab88523, at 3 µg/ml, staining BST2/Tetherin in formalin fixed, paraffin embedded human kidney tissue sections by Immunoperoxidase/Immunohistochemistry.

**Immunocytochemistry/ Immunofluorescence - Anti-BST2/Tetherin antibody (ab88523)**

ab88523 at 10 µg/ml staining BST2/Tetherin in paraformaldehyde fixed, permeabilised HeLa cells, by immunofluorescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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