

## Product datasheet

# Anti-BST2/Tetherin antibody ab88523

★★★★★ 5 Abreviews 13 References 4 Images

### Overview

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

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.4 Constituent: 2.68% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab88523** in the following tested applications.

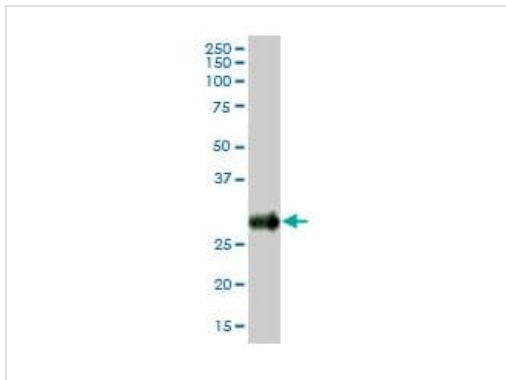
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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).
<b>Sequence similarities</b>	Belongs to the tetherin family.
<b>Domain</b>	The extracellular coiled coil domain is important for virus retention at the cell surface and prevention of virus spreading.
<b>Post-translational modifications</b>	Monoubiquitinated by KSHV E3 ubiquitin-protein ligase K5, leading to its targeting to late endosomes and degradation.
<b>Cellular localization</b>	Golgi apparatus > trans-Golgi network. Cell membrane. Cell membrane. Late endosome. Targeted to late endosomes upon KSHV infection and subsequent ubiquitination. Targeted to the trans-Golgi network by viral VPU protein.

## Image



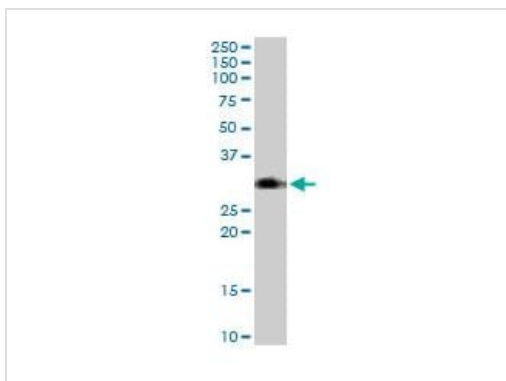
Western blot - Anti-BST2/Tetherin antibody (ab88523)

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?

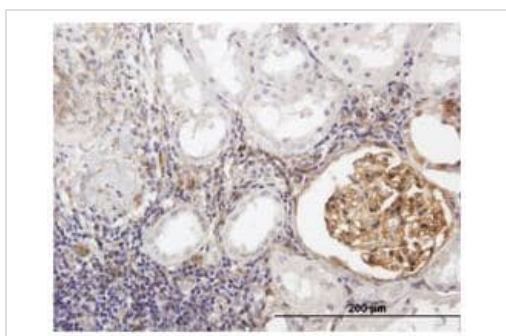


Western blot - Anti-BST2/Tetherin antibody (ab88523)

Anti-BST2/Tetherin antibody (ab88523) at 1 µg/ml + Jurkat cell lysate at 50 µg

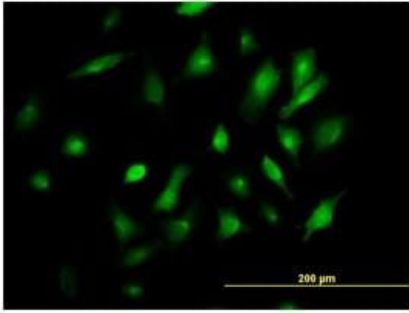
**Predicted band size:** 20 kDa

**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.



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

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

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

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