

## Product datasheet

# Anti-PTPN22 antibody ab169040

[1 Image](#)

### Overview

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<b>Product name</b>	Anti-PTPN22 antibody
<b>Description</b>	Mouse polyclonal to PTPN22
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein within Human PTPN22 aa 1-800. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	PTPN22 transfected 293T cell lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.4 Constituent: 99% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab169040 in the following tested applications.

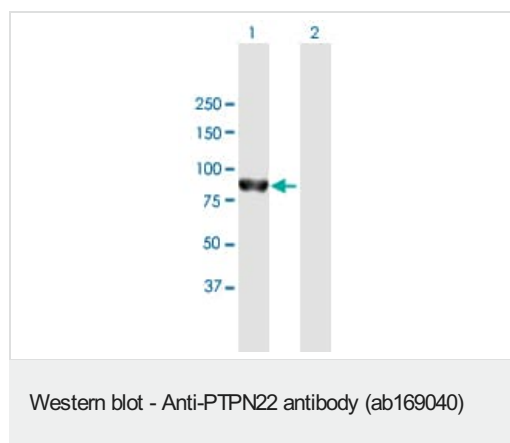
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 85 kDa.

## Target

<b>Function</b>	Seems to act on Cbl. May play a role in regulating the function of Cbl and its associated protein kinases. Acts as negative regulator of T cell receptor (TCR) signaling. Dephosphorylates and inactivates the SRC family kinases.
<b>Tissue specificity</b>	Predominantly expressed in lymphoid tissues and cells. Isoform 1 is expressed in thymocytes and both mature B and T-cells.
<b>Sequence similarities</b>	Belongs to the protein-tyrosine phosphatase family. Non-receptor class 4 subfamily. Contains 1 tyrosine-protein phosphatase domain.
<b>Post-translational modifications</b>	Phosphorylation on Ser-35 by PKC/PRKCD abrogates its ability to dephosphorylate and inactivate the SRC family kinases.
<b>Cellular localization</b>	Cytoplasm.

## Images



**All lanes** : Anti-PTPN22 antibody (ab169040) at 1 µg/ml

**Lane 1** : PTPN22 transfected 293T cell lysate

**Lane 2** : non transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

### Secondary

**All lanes** : Goat anti-mouse HRP conjugated antibody at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 85 kDa

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

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- 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**

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