


## Product datasheet

# Anti-PSPC1 antibody [1L4] - C-terminal ab214012

[2 Images](#)

### Overview

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<b>Product name</b>	Anti-PSPC1 antibody [1L4] - C-terminal
<b>Description</b>	Mouse monoclonal [1L4] to PSPC1 - C-terminal
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide within Mouse PSPC1 (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Database link: <a href="#">Q8R326</a>
<b>Positive control</b>	Hepa1-6 whole cell lysate; HeLa cells.
<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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.0975% Sodium azide Constituent: 99% PBS
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	Purified Immunoglobulin
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1L4

Isotype

IgG1

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab214012 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 0.5 - 1 µg/ml. Predicted molecular weight: 59 kDa.
ICC/IF		Use a concentration of 5 - 10 µg/ml.

## Target

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### Function

Regulates, cooperatively with NONO and SFPQ, androgen receptor-mediated gene transcription activity in Sertoli cell line (By similarity). Binds to poly(A), poly(G) and poly(U) RNA homopolymers.

### Tissue specificity

Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.

### Sequence similarities

Belongs to the PSPC family.  
Contains 2 RRM (RNA recognition motif) domains.

### Post-translational modifications

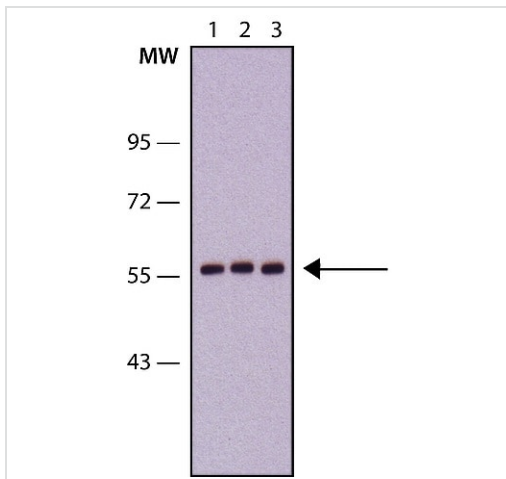
Phosphorylated upon DNA damage, probably by ATM or ATR.

### Cellular localization

Nucleus > nucleolus. Nucleus matrix. Cytoplasm. In punctate subnuclear structures often located adjacent to splicing speckles, called paraspeckles. Colocalizes with NONO and SFPQ in paraspeckles and perinucleolar caps in a RNA-dependent manner. May cycles between paraspeckles and nucleolus. In telophase, when daughter nuclei form, localizes to perinucleolar caps.

## Images

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Western blot - Anti-PSPC1 antibody [1L4] - C-terminal (ab214012)

**Lane 1 :** Anti-PSPC1 antibody [1L4] - C-terminal (ab214012) at 0.5 µg/ml

**Lane 2 :** Anti-PSPC1 antibody [1L4] - C-terminal (ab214012) at 1 µg/ml

**Lane 3 :** Anti-PSPC1 antibody [1L4] - C-terminal (ab214012) at 2 µg/ml

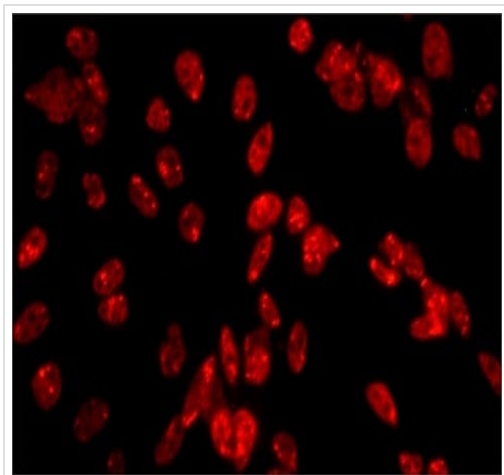
**All lanes :** Hepa1-6 whole cell lysate

**Secondary**

**All lanes :** Goat Anti-Mouse IgG-Peroxidase

Developed using the ECL technique.

**Predicted band size:** 59 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PSPC1 antibody [1L4] - C-terminal (ab214012)

Immunofluorescent analysis of HeLa cells, 4% paraformaldehyde fixed and 0.5% Triton X-100 permeabilized, labeling PSPC1 with ab214012 at 5 µg/mL dilution. Secondary antibody: Goat Anti-Mouse IgG, Cy3 conjugate.

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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