

## Product datasheet

# Anti-PRK3+PRK2+PRK1 (phospho T718 + T774 + T816) antibody [EPR5671] ab124709

Recombinant RabMAb

[1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-PRK3+PRK2+PRK1 (phospho T718 + T774 + T816) antibody [EPR5671]
<b>Description</b>	Rabbit monoclonal [EPR5671] to PRK3+PRK2+PRK1 (phospho T718 + T774 + T816)
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody only detects PKN3 phosphorylated at Threonine 718, PKN2 phosphorylated at Threonine 816, and PKN1 phosphorylated at Threonine 774.
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to residues surrounding Threonine 718 of Human PKN3 (Q6P5Z2), Threonine 816 of Human PKN2 (Q16513), and Threonine 774 of Human PKN1 (Q16512) proteins.
<b>Positive control</b>	HeLa cell lysates and Hek 293 cells.
<b>General notes</b>	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5671
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab124709** in the following tested applications.

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

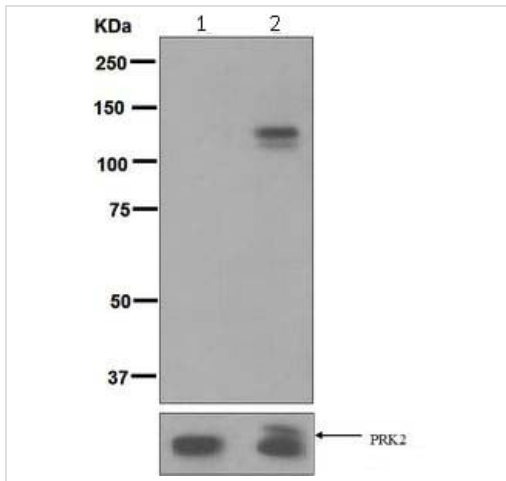
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 104, 112, 99 kDa.
Flow Cyt		1/10 - 1/100. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

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**Application notes**                      Is unsuitable for ICC/IF, IHC-P or IP.

## Images

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Western blot - Anti-PRK3+PRK2+PRK1 (phospho T718 + T774 + T816) antibody [EPR5671] (ab124709)

**All lanes :** Anti-PRK3+PRK2+PRK1 (phospho T718 + T774 + T816) antibody [EPR5671] (ab124709) at 1/1000 dilution

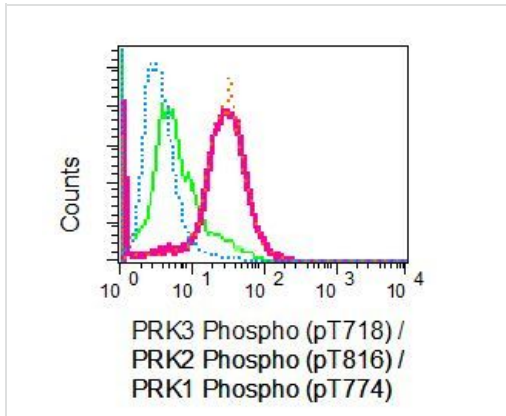
**Lane 1 :** HeLa cell lysate untreated

**Lane 2 :** HeLa cell lysate treated with Okadaic acid and Calyculin A.

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 104, 112, 99 kDa

Bottom blot was probed with an anti-PNK2 antibody.



Flow Cytometry - Anti-PRK3+PRK2+PRK1 (phospho T718 + T774 + T816) antibody [EPR5671] (ab124709)

ab124709, at 1/10, staining PKN1 (phospho T774) + PKN2 (phospho T816) + PKN3 (phospho T718) in permeabilized Hek 293 cells by Flow cytometry.

Green: untreated cells

Red: Okadaic Acid + Calyculin A-treated cells

Blue: untreated cells preincubated with the immunizing phosphopeptides

Orange: Okadaic Acid + Calyculin A-treated cells preincubated with the immunizing phosphopeptides .

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

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