

Product datasheet

Anti-CDC7 antibody [EPR4730] ab108332

Recombinant **RabMAb**

[1 Abreviews](#) [3 References](#) [3 Images](#)

Overview

Product name	Anti-CDC7 antibody [EPR4730]
Description	Rabbit monoclonal [EPR4730] to CDC7
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt Unsuitable for: ICC, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human CDC7 aa 1-100 (internal sequence). The exact sequence is proprietary.
Positive control	Jurkat, HeLa, and PC3 cell lysates; Jurkat cells.
General notes	

Previously labelled as Cdc7 Kinase.

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[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] 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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR4730
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab108332** in the following tested applications.

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

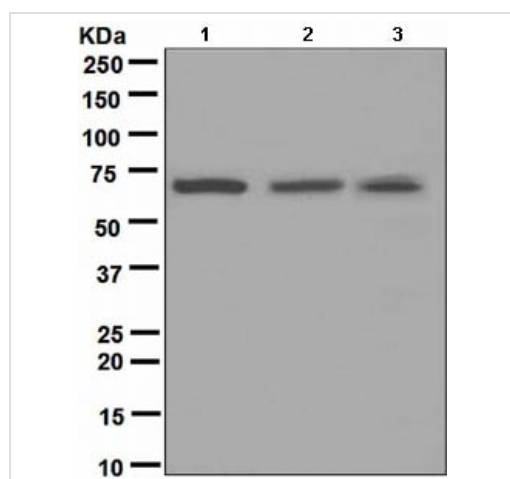
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 64 kDa (predicted molecular weight: 64 kDa).
Flow Cyt		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes	Is unsuitable for ICC, IHC-P or IP.
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Target

Function	Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylates MCM2 and MCM3.
Sequence similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC7 subfamily. Contains 1 protein kinase domain.
Cellular localization	Nucleus.

Images



Western blot - Anti-CDC7 antibody [EPR4730]
(ab108332)

All lanes : Anti-CDC7 antibody [EPR4730] (ab108332) at 1/1000 dilution

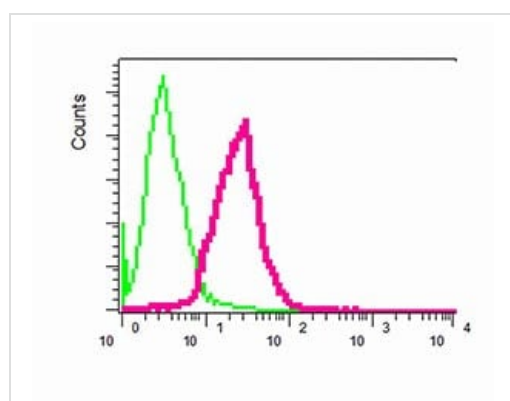
Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : PC3 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 64 kDa



Flow Cytometry - Anti-CDC7 antibody [EPR4730]
(ab108332)

ab108332, at 1/100 dilution, staining CDC7 in permeabilized Jurkat cells by Flow cytometry (red). Rabbit IgG (green).

Why choose a recombinant antibody?

- Research with confidence**
Consistent and reproducible results
- Long-term and scalable supply**
Recombinant technology
- Success from the first experiment**
Confirmed specificity
- Ethical standards compliant**
Animal-free production

Anti-CDC7 antibody [EPR4730] (ab108332)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- 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

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors