


## Product datasheet

# Anti-AKAP14 antibody [EPR12955] - C-terminal ab180160

Recombinant RabMAb

4 Images

### Overview

Product name	Anti-AKAP14 antibody [EPR12955] - C-terminal
Description	Rabbit monoclonal [EPR12955] to AKAP14 - C-terminal
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IP, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IHC-P
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Jurkat, HUVEC, NCI-H460, A549 and Human fetal kidney lysates; A549 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12955
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab180160 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
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 23 kDa.
<b>IP</b>		1/10 - 1/100.
<b>ICC/IF</b>		1/100 - 1/250.

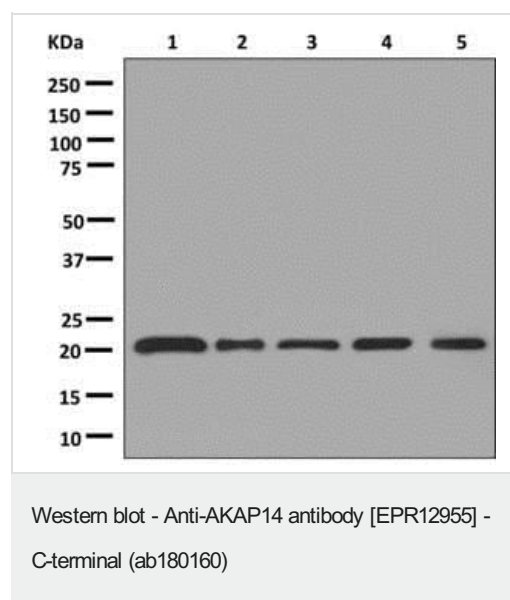
**Application notes** Is unsuitable for Flow Cyt or IHC-P.

## Target

**Relevance** Binds to type II regulatory subunits of protein kinase A and anchors/targets them

**Cellular localization** Cytoplasmic

## Images



**All lanes** : Anti-AKAP14 antibody [EPR12955] - C-terminal (ab180160) at 1/1000 dilution

**Lane 1** : Jurkat cell lysate

**Lane 2** : HUVEC cell lysate

**Lane 3** : NCI-H460 cell lysate

**Lane 4** : A549 cell lysate

**Lane 5** : Human fetal kidney tissue lysate

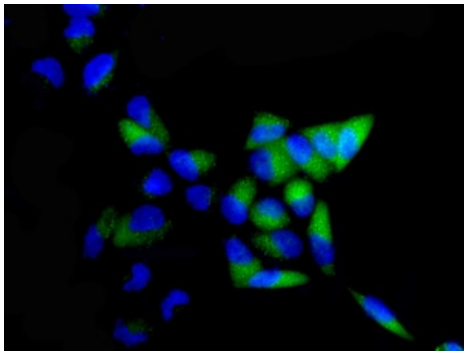
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

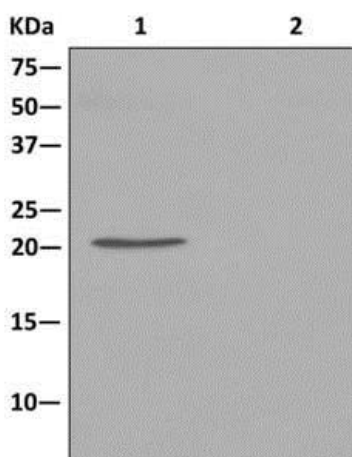
Developed using the ECL technique.

**Predicted band size:** 23 kDa



Immunofluorescence analysis of A549 cells labeling AKAP14 with ab180160 at a 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-AKAP14 antibody [EPR12955] - C-terminal (ab180160)



Western blot analysis on Immunoprecipitation pellet from either 1) Jurkat cell lysate, or 2) 1xPBS (negative control); showing AKAP14, using ab180160 at 1/10 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

Immunoprecipitation - Anti-AKAP14 antibody [EPR12955] - C-terminal (ab180160)

### 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-AKAP14 antibody [EPR12955] - C-terminal (ab180160)

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- 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.

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