

## Product datasheet

# Anti-BRAT1 antibody [EPR13753] - C-terminal ab181855

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-BRAT1 antibody [EPR13753] - C-terminal
<b>Description</b>	Rabbit monoclonal [EPR13753] to BRAT1 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, Flow Cyt, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human BRAT1 aa 700 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q6PJG6</a>
<b>Positive control</b>	HeLa, 293 and jurkat cell lysate. 293 and HeLa cells.
<b>General notes</b>	

This product was previously labelled as BAAT1

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<sup>™</sup> 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 +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: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13753
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab181855** in the following tested applications.

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

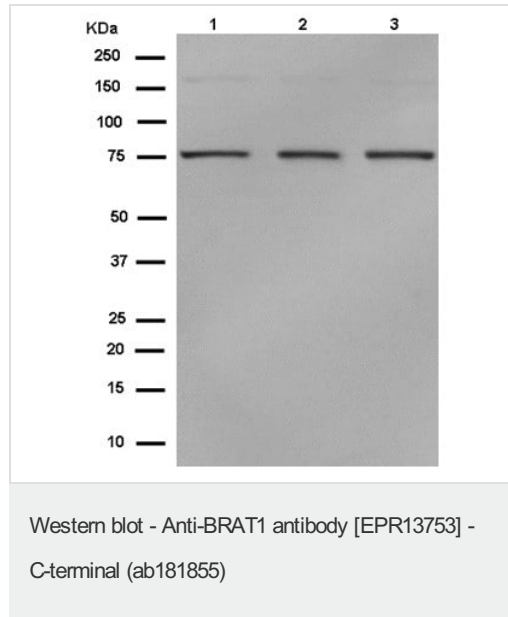
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 75 kDa (predicted molecular weight: 88 kDa).
ICC/IF		1/250.
Flow Cyt		1/10. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/30.

## Target

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<b>Function</b>	Required for activation of ATM following ionizing radiation. May act by regulating dephosphorylation of ATM.
<b>Tissue specificity</b>	Ubiquitously expressed.
<b>Sequence similarities</b>	Contains 2 HEAT repeats.
<b>Cellular localization</b>	Nucleus. Present at double strand breaks (DSBs) following ionizing radiation treatment.

## Images



**All lanes :** Anti-BRAT1 antibody [EPR13753] - C-terminal (ab181855) at 1/10000 dilution

**Lane 1 :** HeLa lysate

**Lane 2 :** 293 lysate

**Lane 3 :** Jurkat lysate

Lysates/proteins at 20 µg per lane.

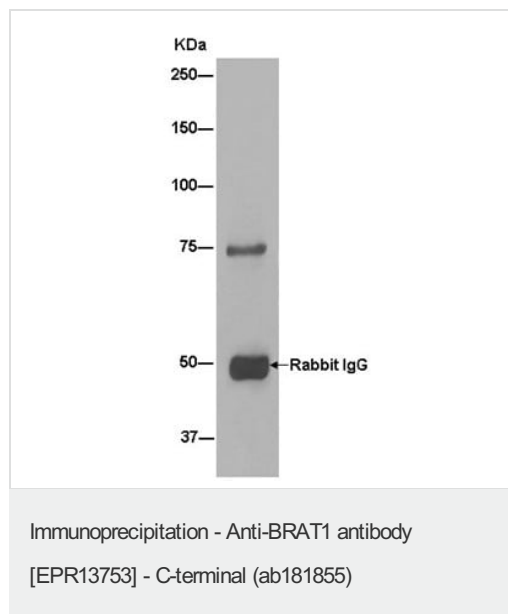
### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

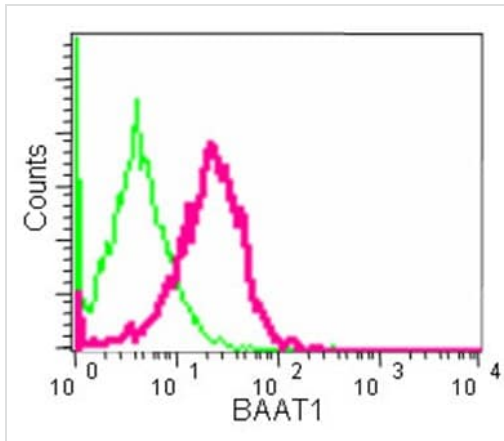
**Predicted band size:** 88 kDa

**Observed band size:** 75 kDa

[why is the actual band size different from the predicted?](#)

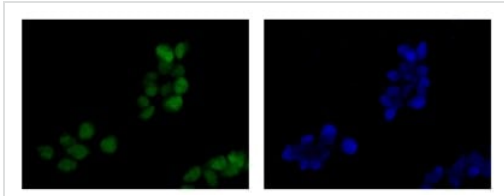


Western blot analysis of BRAT1 in immunoprecipitation pellets from Human Jurkat lysate. ab181855 used at 1/30 dilution. Secondary antibody Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000. Blocking buffer and concentration: 5% NFD/MTBST.



Flow Cytometry - Anti-BRAT1 antibody [EPR13753]  
- C-terminal (ab181855)

Flow cytometric analysis of HeLa cells (paraformaldehyde-fixed, 2%) labeling BRAT1 with ab181855 at 1/10 dilution (red) or a rabbit IgG (negative) (green), followed by secondary Goat anti rabbit IgG (FITC) at 1/150 dilution. Isotype control Rabbit IgG.



Immunocytochemistry/ Immunofluorescence - Anti-BRAT1 antibody [EPR13753] - C-terminal (ab181855)

Immunofluorescent analysis of 4% paraformaldehyde fixed 293 cells labeling BRAT1 with ab181855 at 1/250 dilution. Secondary antibody Goat anti rabbit IgG(Alexa Fluor®488) at 1/200 dilution, Counterstained with Dapi blue.

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

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