

## Product datasheet

# Anti-BRAT1 antibody [EPR13753-43] - C-terminal ab181868

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-BRAT1 antibody [EPR13753-43] - C-terminal
<b>Description</b>	Rabbit monoclonal [EPR13753-43] to BRAT1 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HeLa, 293 and Jurkat cell lysates; 293 cells.
<b>General notes</b>	<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

<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>	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13753-43
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181868 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
Flow Cyt (Intra)		1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/2000. Detects a band of approximately 75 kDa (predicted molecular weight: 88 kDa).
IP		1/50.

## Target

### Function

Required for activation of ATM following ionizing radiation. May act by regulating dephosphorylation of ATM.

### Tissue specificity

Ubiquitously expressed.

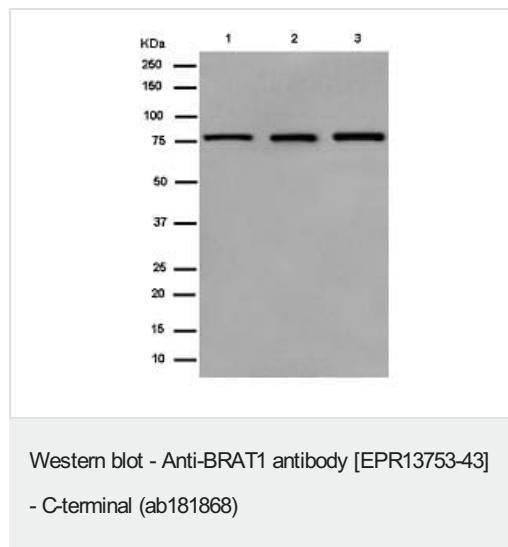
### Sequence similarities

Contains 2 HEAT repeats.

### Cellular localization

Nucleus. Present at double strand breaks (DSBs) following ionizing radiation treatment.

## Images



**All lanes** : Anti-BRAT1 antibody [EPR13753-43] - C-terminal (ab181868) at 1/2000 dilution

**Lane 1** : HeLa cell lysate

**Lane 2** : 293 cell lysate

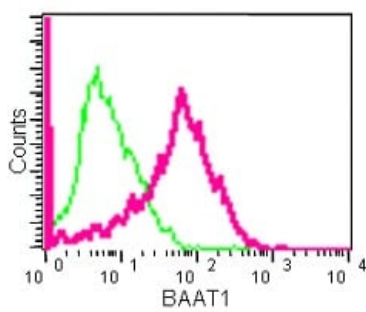
**Lane 3** : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

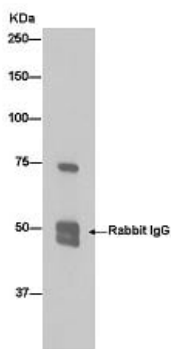
**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 88 kDa



Flow Cytometry (Intracellular) - Anti-BRAT1 antibody  
[EPR13753-43] - C-terminal (ab181868)

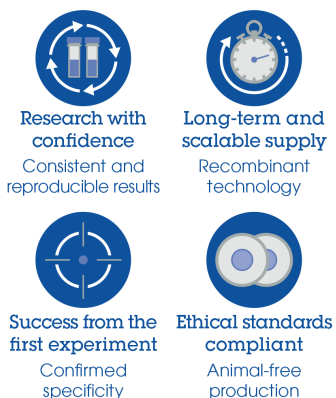
Intracellular flow cytometric analysis of 293 cells (paraformaldehyde-fixed, 2%) labeling BRAT1 with ab181868 at 1/100 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



Immunoprecipitation - Anti-BRAT1 antibody  
[EPR13753-43] - C-terminal (ab181868)

Western blot analysis of immunoprecipitation pellet from 293 cell lysate immunoprecipitated using ab181868 at 1/50 dilution. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution.

### Why choose a recombinant antibody?



Anti-BRAT1 antibody [EPR13753-43] - C-terminal  
(ab181868)

**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
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