

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

Recombinant RabMAb

5 Images

Overview

Product name	Anti-BRAT1 antibody [EPR13753] - C-terminal
Description	Rabbit monoclonal [EPR13753] to BRAT1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF, IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, 293 and jurkat cell lysate. 293 and HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</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 long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13753
Isotype	IgG

Applications

The Abpromise guarantee

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

Target

Function

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

Tissue specificity

Ubiquitously expressed.

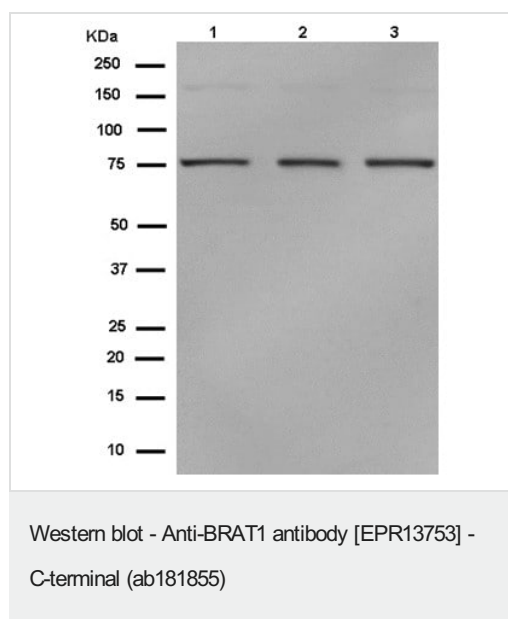
Sequence similarities

Contains 2 HEAT repeats.

Cellular localization

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

Images



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

Lane 1 : HeLa cell lysate

Lane 2 : 293 cell lysate

Lane 3 : Jurkat cell lysate

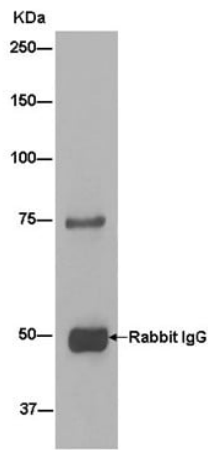
Lysates/proteins at 20 µg per lane.

Secondary

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

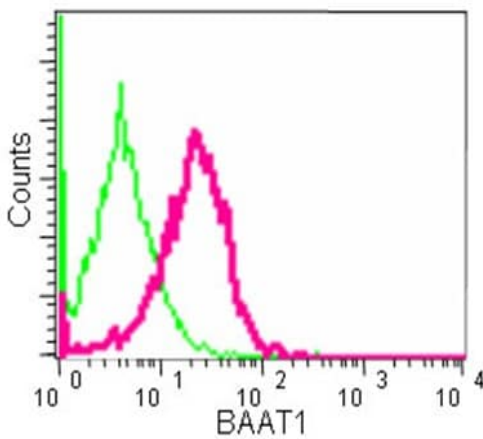
Predicted band size: 88 kDa

Observed band size: 75 kDa



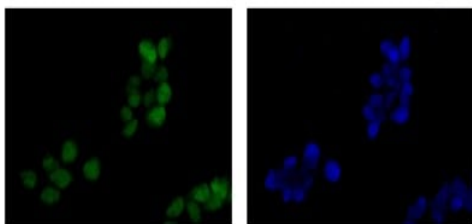
Immunoprecipitation - Anti-BRAT1 antibody
[EPR13753] - C-terminal (ab181855)

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% NFDM/TBST.



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

Intracellular 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.

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-BRAT1 antibody [EPR13753] - C-terminal
(ab181855)

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