

## Product datasheet

# Anti-TRAF3 antibody [EPR22992-93] - BSA and Azide free ab263026

**KO VALIDATED** Recombinant RabMAB

2 Images

### Overview

<b>Product name</b>	Anti-TRAF3 antibody [EPR22992-93] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR22992-93] to TRAF3 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human TRAF3 aa 300-400. The exact sequence is proprietary. Database link: <a href="#">Q13114</a>
<b>Positive control</b>	WB: Wild type HAP1 whole cell lysate. Daudi, HEK-293T, C6, RAW264.7, PC-12 and NIH/3T3 whole cell lysate. Mouse brain, rat spleen and rat brain lysates.
<b>General notes</b>	<p>ab263026 is the carrier-free version of <a href="#">ab239357</a> This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our <a href="#">carrier-free formats</a> are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>Use our <a href="#">conjugation kits</a> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>Ab263026 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <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® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAB® patents</a>.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p>

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22992-93
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab263026** 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		Use at an assay dependent concentration. Predicted molecular weight: 64 kDa.

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**Application notes**                      Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## Target

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## Function

Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14.

## Sequence similarities

Belongs to the TNF receptor-associated factor family. A subfamily.  
Contains 1 MATH domain.  
Contains 1 RING-type zinc finger.  
Contains 2 TRAF-type zinc fingers.

## Domain

The MATH/TRAF domain binds to receptor cytoplasmic domains.  
The Ring-type zinc finger domain is required for its function in down-regulation of NFKB2 proteolytic processing.

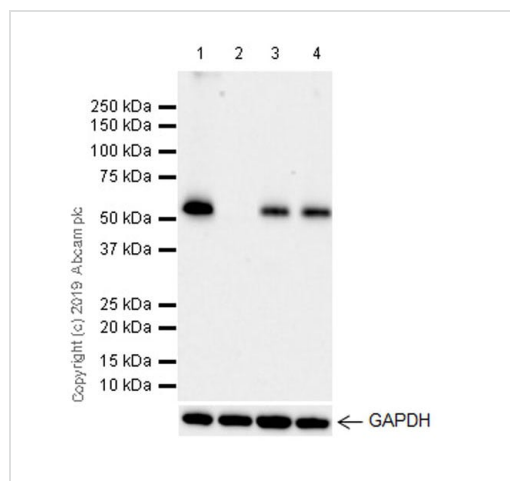
## Post-translational modifications

Undergoes 'Lys-48'-linked polyubiquitination, leading to its proteasomal degradation in response to signaling by TNFSF13B, TLR4 or through CD40. Undergoes 'Lys-63'-linked ubiquitination during early stages of virus infection, and 'Lys-48'-linked ubiquitination during later stages. Undergoes both 'Lys-48'-linked and 'Lys-63'-linked ubiquitination in response to TLR3 and TLR4 signaling (By similarity). Deubiquitinated by OTUB1, OTUB2 and OTUD5.

## Cellular localization

Cytoplasm. Endosome. Mitochondrion. Undergoes endocytosis together with TLR4 upon LPS signaling (By similarity). Associated with mitochondria in response to virus.

## Images



Western blot - Anti-TRAF3 antibody [EPR22992-93]  
- BSA and Azide free (ab263026)

**All lanes :** Anti-TRAF3 antibody [EPR22992-93] ([ab239357](#)) at 1/1000 dilution

**Lane 1 :** Wild type HAP1 whole cell lysate

**Lane 2 :** TRAF3 knockout HAP1 whole cell lysate

**Lane 3 :** Daudi (human Burkitt's lymphoma lymphoblast), whole cell lysate

**Lane 4 :** HEK-293T (human embryonic kidney epithelial cell), whole cell lysate

Lysates/proteins at 40 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 64 kDa

Blocking and diluting buffer and concentration: 5% NFD/MTBST.

[ab239357](#) was shown to specifically react with TRAF3 in wild-type HAP1 cells as signal was lost in TRAF3 knockout cells. Wild-type and TRAF3 knockout samples were subjected to SDS-PAGE. [ab239357](#) and [ab181602](#) (Rabbit anti-GAPDH loading control) were incubated 1 hour at room temperature at 1/1000 dilution and 1/200,000 dilution respectively. Blots were developed with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) secondary antibody at 1/20,000 dilution for 1 hour at room temperature before imaging. Exposure time: 37 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab239357](#)).

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-TRAF3 antibody [EPR22992-93] - BSA and Azide free ([ab263026](#))

**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

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