

## Product datasheet

# Anti-TIFA (phospho T9) antibody [EPR19853] ab214815

Recombinant RabMAb

[2 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-TIFA (phospho T9) antibody [EPR19853]
<b>Description</b>	Rabbit monoclonal [EPR19853] to TIFA (phospho T9)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, Dot blot, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HeLa transfected with 3×Flag-tagged TIFA expression vector for 24 hours, and then infected with <i>S. flexneri</i> 2457T for 4 hours, whole cell lysate. HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with <i>B. cenocepacia</i> J2315 for 4 hours, whole cell lysate. IP: HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with <i>B. cenocepacia</i> J2315 for 4 hours whole cell lysate.
<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>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number EPR19853  
Isotype IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab214815 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

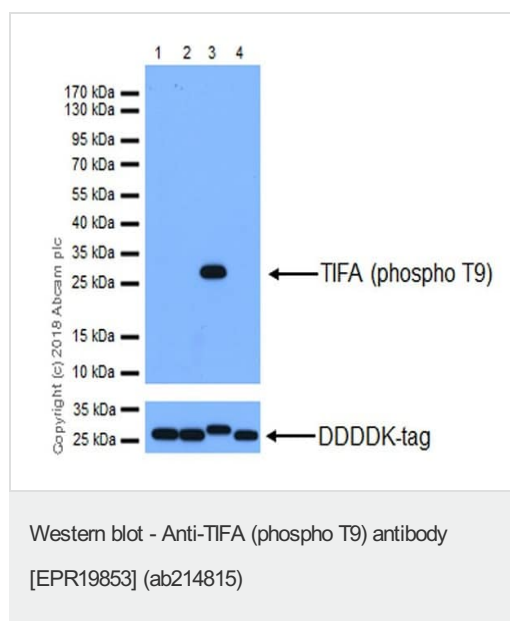
Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 21 kDa.
Dot blot		1/1000.
IP		1/30.

## Target

**Function** Adapter protein which mediates the IRAK1 and TRAF6 interaction following IL-1 stimulation, resulting in the downstream activation of NF-kappa-B and AP-1 pathways. Induces the oligomerization and polyubiquitination of TRAF6, which leads to the activation of TAK1 and IKK through a proteasome-independent mechanism.

**Sequence similarities** Contains 1 FHA domain.

## Images



**All lanes** : Anti-TIFA (phospho T9) antibody [EPR19853] (ab214815) at 1/1000 dilution

**Lane 1** : HeLa (human epithelial cell line from cervix adenocarcinoma) transfected with 3xFlag-tagged TIFA expression vector for 28 hours, whole cell lysate

**Lane 2** : HeLa transfected with 3xFlag-tagged TIFA T9A mutant expression vector for 28 hours, whole cell lysate

**Lane 3** : HeLa transfected with 3xFlag-tagged TIFA expression vector for 24 hours, and then infected with *S. flexneri* 2457T for 4 hours, whole cell lysate

**Lane 4** : HeLa transfected with 3xFlag-tagged TIFAT9A mutant expression vector for 24 hours and then infected with *S. flexneri* 2457T for 4 hours, whole cell lysate

Lysates/proteins at 20 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/5000 dilution

**Predicted band size:** 21 kDa

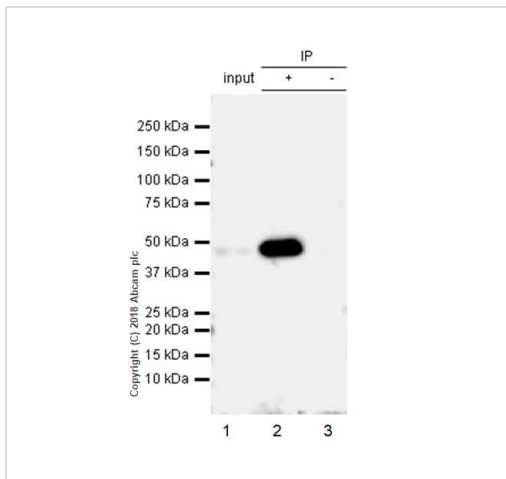
**Observed band size:** 26 kDa

**Exposure time:** 30 seconds

Blocking/Dilution buffer: 5% milk/TBST.

The image was kindly provided by our collaborator Dr. Feng Shao, NIBS.

*S. flexneri* infection induces an innate immune response (PMID: 28222186).



Immunoprecipitation - Anti-TIFA (phospho T9) antibody [EPR19853] (ab214815)

TIFA (phospho T9) was immunoprecipitated from 0.35 mg HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate with ab214815 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab214815 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/5,000 dilution

**Lane 1:** HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with *B. cenocepacia* J2315 for 4 hours whole cell lysate 10 µg (Input).

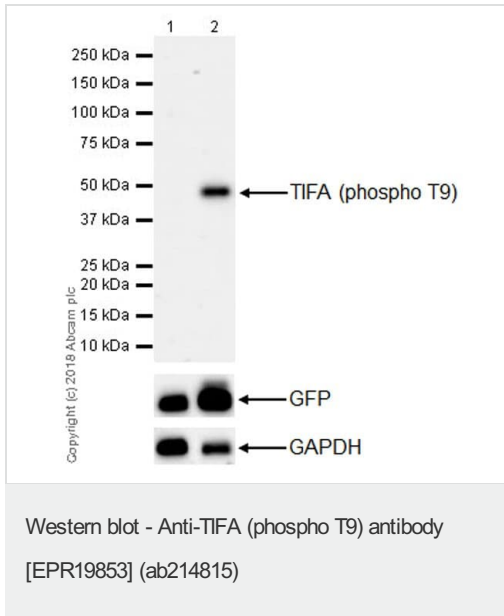
**Lane 2:** ab214815 IP in HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with *B. cenocepacia* J2315 for 4 hours whole cell lysate (+).

**Lane 3:** Rabbit monoclonal IgG (ab172730) instead of ab214815 in HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with *B. cenocepacia* J2315 for 4 hours whole cell lysate (-).

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.

The cell lysates were kindly provided by our collaborator Dr. Feng Shao, NIBS.



**All lanes :** Anti-TIFA (phospho T9) antibody [EPR19853] (ab214815) at 1/5000 dilution

**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with GFP-tagged TIFA expression vector, whole cell lysate

**Lane 2 :** HEK-293T transfected with GFP-tagged TIFA expression vector for 24 hours, and then infected with *B. cenocepacia* J2315 for 4 hours, whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 21 kDa

**Observed band size:** 47 kDa

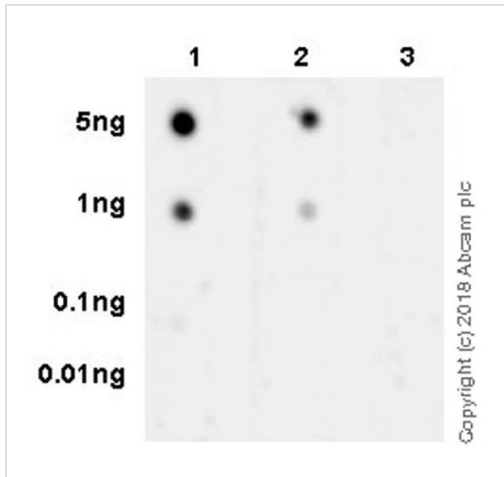
**Exposure time:** 103 seconds

Blocking/Dilution buffer: 5% NFD/MBST.

The band observed represents GFP-tagged TIFA pT9.

The lysates were kindly provided by our collaborator Dr. Feng Shao, NIBS.

*B. cenocepacia* J2315 infection elicits an inflammatory response. (PMID: 27133449)



Dot Blot - Anti-TIFA (phospho T9) antibody  
[EPR19853] (ab214815)

Dot blot analysis of TIFA (phospho T9) labeled with ab214815 at 1/1000 dilution.

**Lane 1:** TIFA (phospho T9) peptide (aa3-12).

**Lane 2:** TIFA (phospho T9) peptide (aa5-15).





**Lane 3:** TIFA non-phospho peptide (aa3-15).

Secondary used was Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution.

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: 10 seconds.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-TIFA (phospho T9) antibody [EPR19853] (ab214815)

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

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