

Product datasheet

Anti-DNA Gyrase B antibody [9G8] ab75593

1 Image

Overview

<b>Product name</b>	Anti-DNA Gyrase B antibody [9G8]
<b>Description</b>	Mouse monoclonal [9G8] to DNA Gyrase B
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Escherichia coli
<b>Immunogen</b>	Purified <i>Escherichia coli</i> DNA Gyrase B protein (over expressed from <i>Escherichia coli</i> )
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Produced from tissue culture supernatant and purified on a Protein A column using the low salt method.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	9G8
<b>Isotype</b>	IgG2a

Applications

## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab75593 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		

### Application notes

WB: 1/1000.

Can be used in Western Blots to detect purified over expressed Gyrase B and unexpressed gyrase in cell extracts.

The antibody can be diluted 1/1000 for detection of purified proteins and 1/200 for cell extracts.

Not yet tested in other applications.

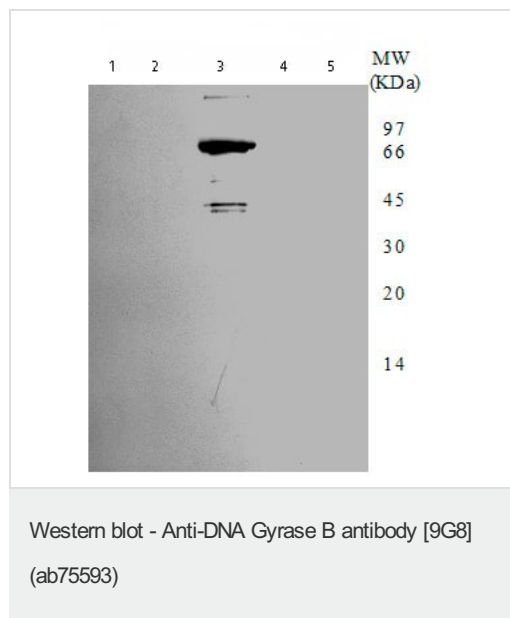
Optimal dilutions/concentrations should be determined by the end user.

### Target

### Relevance

DNA Gyrase B belongs to the type II topoisomerase family. DNA gyrase negatively supercoils closed circular double stranded DNA in an ATP dependent manner and also catalyzes the interconversion of other topological isomers of double stranded DNA rings, including catenanes and knotted rings. It is made up of two chains. The A chain is responsible for DNA breakage and rejoining; the B chain catalyzes ATP hydrolysis. The enzyme forms an A<sub>2</sub>B<sub>2</sub> tetramer.

### Images



**All lanes** : Anti-DNA Gyrase B antibody [9G8] (ab75593) at 1/1000 dilution

**Lane 1** : B24 domain of Gyrase B protein (purified from *E.coli*)

**Lane 2** : B43 domain of Gyrase B protein (purified from *E.coli*)

**Lane 3** : Gyrase B whole protein (purified from *E.coli*)

**Lane 4** : A59 domain of Gyrase A protein (purified from *E.coli*)

**Lane 5** : Gyrase A whole protein (purified from *E.coli*)

Lysates/proteins at 200 µg per lane.

### Secondary

**All lanes** : HRP labelled rabbit anti mouse IgGs at 1/5000 dilution

**Observed band size:** 90 kDa

**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**

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- 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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