

## Product datasheet

# Anti-RNA polymerase beta antibody [EPR18704] ab191598

Recombinant

RabMAb

★★★★★ [2 Abreviews](#) [7 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-RNA polymerase beta antibody [EPR18704]
<b>Description</b>	Rabbit monoclonal [EPR18704] to RNA polymerase beta
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Escherichia coli
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB & IP: E.coli whole cell lysates.
<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>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR18704
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191598 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
IP		1/30.
WB	★★★★★ (2)	1/2000. Detects a band of approximately 150 kDa (predicted molecular weight: 150 kDa).

## Target

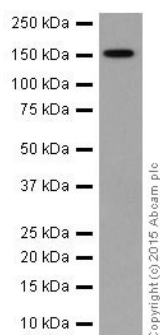
### Relevance

RNA polymerase beta (rpoB) is the  $\beta$  subunit of the bacterial RNA polymerase and is the subunit which possesses the polymerase activity. This protein is a highly conserved enzyme contained by many bacteria and has been reported as a useful marker for studies in bacterial identification and ecology.

### Cellular localization

Cell Membrane and Cytoplasmic

## Images



Western blot - Anti-RNA polymerase beta antibody  
[EPR18704] (ab191598)

Anti-RNA polymerase beta antibody [EPR18704] (ab191598) at  
1/2000 dilution + E.coli whole cell lysates at 10  $\mu$ g

### Secondary

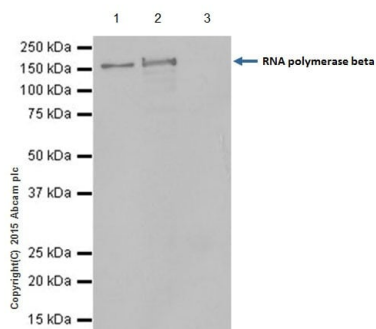
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

**Predicted band size:** 150 kDa

**Observed band size:** 150 kDa

**Exposure time:** 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-RNA polymerase beta antibody [EPR18704] (ab191598)

RNA polymerase beta was immunoprecipitated from 1mg of E.coli whole cell lysates with ab191598 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab191598 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500.

Lane 1: E.coli whole cell lysates 10ug (Input). Lane 2: ab191598 IP in E.coli whole cell lysates. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab191598 in E.coli whole cell lysates.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 5 seconds.

#### 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-RNA polymerase beta antibody [EPR18704] (ab191598)

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

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- Response to your inquiry within 24 hours

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