

## Product datasheet

# Anti-Flagellin antibody ab106146

[1 Image](#)

### Overview

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<b>Product name</b>	Anti-Flagellin antibody
<b>Description</b>	Rabbit polyclonal to Flagellin
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab106146 is specific for Lyme Borrelia spp Flagellin protein. Cross reactivity is expected with Borrelia burgdorferi, garinii and valaisiana sources of Flagellin protein.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Immunogen</b>	Fusion protein corresponding to Flagellin. Database link: <a href="#">P11089</a>
<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

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<b>Form</b>	Lyophilized: Restore with 0.1 mL of deionized water (or equivalent). Dilute only prior to immediate use.
<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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 0.88% Sodium chloride, 0.42% Potassium phosphate
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab106146 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: 76.3 kDa.
ELISA		1/6000.

## Target

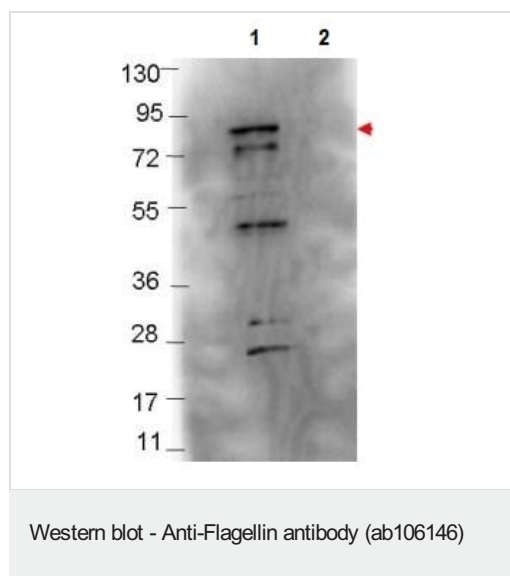
### Relevance

Flagellin (FliC) is a subunit protein that polymerizes (along with other proteins) to form the filaments of bacterial flagella. Assembly of the bacterial flagellum occurs in a precise, temporal order where the basal component (FlgE, FlgK, and FlgL are assembled inside the bacterial membrane, followed by exportation of the filament cap protein FliD, and secretion of about 20,000 flagellin monomers (FliC) through the channel. FliC monomers are polymerized to form the tail filament. FliC monomers can function as pathogen-associated molecular patterns (PAMPs), and can be detected by host cells through surface-localized toll-like receptor 5 (TLR5) and cytosolic Nod-like receptors (NLRs).

### Cellular localization

Secreted. Bacterial flagellum.

## Images



**All lanes :** Anti-Flagellin antibody (ab106146) at 1/1000 dilution

**Lane 1 :** MBP-Flagellin fusion protein (the immunogen)

**Lane 2 :** MBP alone

Lysates/proteins at 0.1 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit IgG at 1/40000 dilution

**Predicted band size:** 76.3 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

- 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