

## Product datasheet

### Anti-Laminin beta 1 antibody [EPR3189(2)] ab108536


KO **VALIDATED**

Recombinant

RabMAb<sup>®</sup>

[3 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-Laminin beta 1 antibody [EPR3189(2)]
<b>Description</b>	Rabbit monoclonal [EPR3189(2)] to Laminin beta 1
<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> Rat, Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HeLa, JAR, A431, SW480, 293T and C6 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 -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR3189(2)

Isotype IgG

Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab108536 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 - 1/10000. Predicted molecular weight: 198 kDa.

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

Target

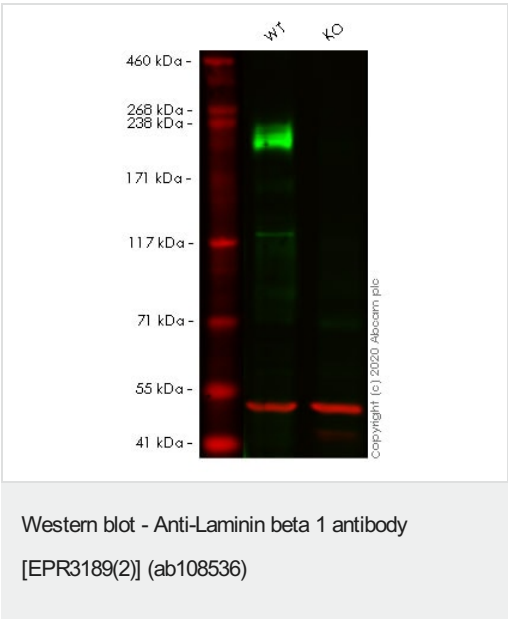
**Function** Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.

**Sequence similarities** Contains 13 laminin EGF-like domains.  
Contains 1 laminin IV type B domain.  
Contains 1 laminin N-terminal domain.

**Domain** The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure.  
Domains VI and IV are globular.

**Cellular localization** Secreted > extracellular space > extracellular matrix > basement membrane. Major component.

Images



**All lanes :** Anti-Laminin beta 1 antibody [EPR3189(2)] (ab108536) at 1/1000 dilution

**Lane 1 :** Wild-type HeLa cell lysate  
**Lane 2 :** LAMB1 knockout HeLa cell lysate

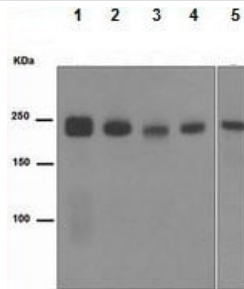
Lysates/proteins at 20 µg per lane.  
  
Performed under reducing conditions.

**Predicted band size:** 198 kDa  
**Observed band size:** 200 kDa

**Lanes 1- 2:** Merged signal (red and green). Green - ab108536

observed at 200 kDa. Red - Anti-alpha Tubulin antibody [DM1A] - Loading Control ([ab7291](#)) observed at 50 kDa.

ab108536 was shown to react with Laminin beta 1 in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab265414](#) (knockout cell lysate [ab257499](#)) was used. Wild-type HeLa and LAMB1 knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab108536 and Anti-alpha Tubulin antibody [DM1A] - Loading Control ([ab7291](#)) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Laminin beta 1 antibody [EPR3189(2)] (ab108536)

**All lanes :** Anti-Laminin beta 1 antibody [EPR3189(2)] (ab108536) at 1/1000 dilution

**Lane 1 :** JAR cell lysate

**Lane 2 :** A431 cell lysate

**Lane 3 :** SW480 cell lysate

**Lane 4 :** 293T cell lysate

**Lane 5 :** C6 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 198 kDa

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-Laminin beta 1 antibody [EPR3189(2)]  
(ab108536)

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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