

## Product datasheet

# Anti-Laminin gamma 3 antibody [EPR22699-151] ab234429

Recombinant RabMAb

[2 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-Laminin gamma 3 antibody [EPR22699-151]
<b>Description</b>	Rabbit monoclonal [EPR22699-151] to Laminin gamma 3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, Flow Cyt (Intra), IHC-P, WB <b>Unsuitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Mouse testis and Mouse kidney lysates. IHC-P: Mouse testis, Mouse cerebrum and Mouse lung tissues. Flow Cyt (intra): RAW 264.7 cells. IHC-fr: Mouse testis tissue.
<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 (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

Clone number                      EPR22699-151

Isotype                                IgG

## Applications

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**The Abpromise guarantee**            Our **Abpromise guarantee** covers the use of ab234429 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
IHC-Fr		1/100.
Flow Cyt (Intra)		1/50.
IHC-P		1/500.
WB		1/1000. Predicted molecular weight: 171 kDa.

**Application notes**                      Is unsuitable for ICC/IF.

## Target

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**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.

**Tissue specificity**                    Strongly expressed in capillaries and arterioles of kidney as well as in interstitial Leydig cells of testis.

**Sequence similarities**                Contains 11 laminin EGF-like domains.  
Contains 1 laminin IV type A domain.  
Contains 1 laminin N-terminal domain.

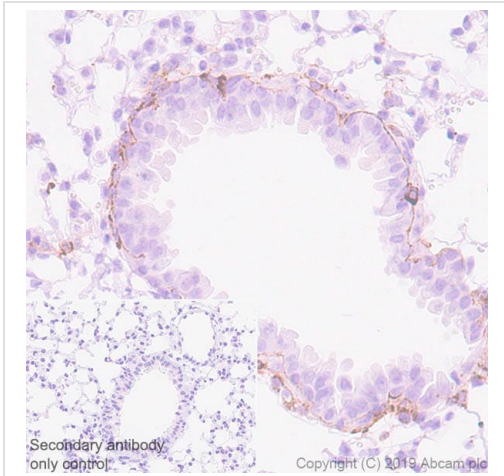
**Domain**                                 The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure.  
Domain IV is globular.

**Cellular localization**                Secreted, extracellular space, extracellular matrix, basement membrane.

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## Images

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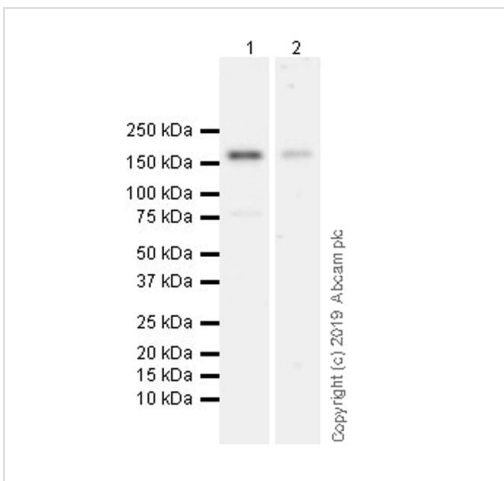


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labeling Laminin gamma 3 with ab234429 at 1/500 followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining on the basement membrane in the mouse lung is observed. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

**All lanes :** Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429) at 1/10000 dilution

**Lane 1 :** Mouse testis tissue lysate 20 µg

**Lane 2 :** Mouse kidney tissue lysate 20 µg

**Secondary**

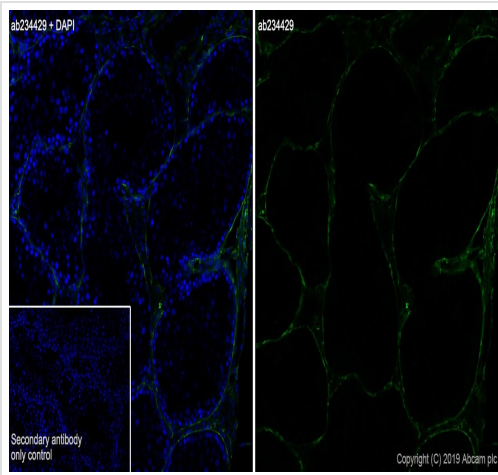
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 171 kDa

**Observed band size:** 172 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST

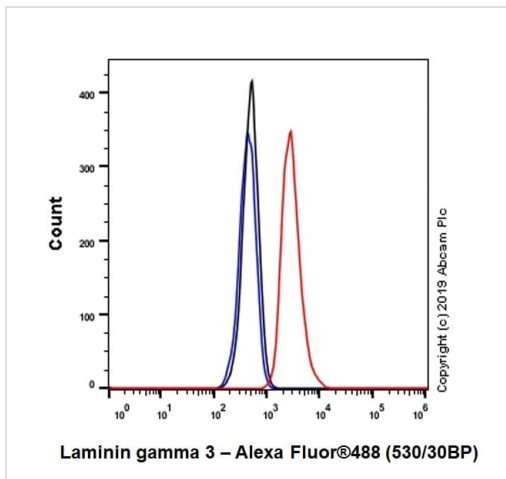
Exposure time: 3 minutes



Immunohistochemistry (Frozen sections) - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

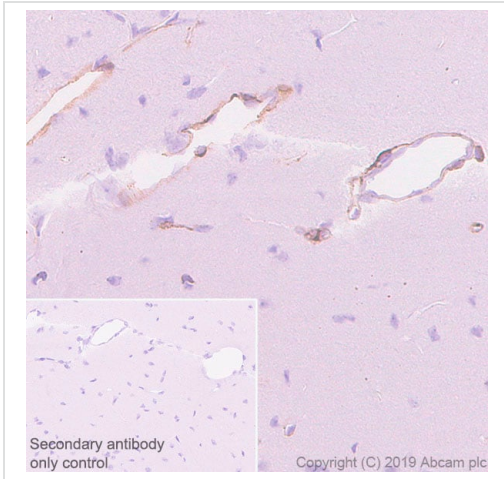
Immunohistochemical analysis of 4% PFA fixed 0.2% Triton X-100 permeabilized frozen Mouse testis tissue labeling Laminin gamma 3 with Ab234429 at 1/100 (4.99 µg/ml) dilution followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution. The nuclear counterstain was DAPI (Blue). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody was **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 (2 µg/ml) dilution.



Flow Cytometry (Intracellular) - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cells labelling Laminin gamma 3 with ab234429 at 1/50 (Red) compared with a Rabbit monoclonal IgG (**ab172730**, Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 was used as the secondary antibody.

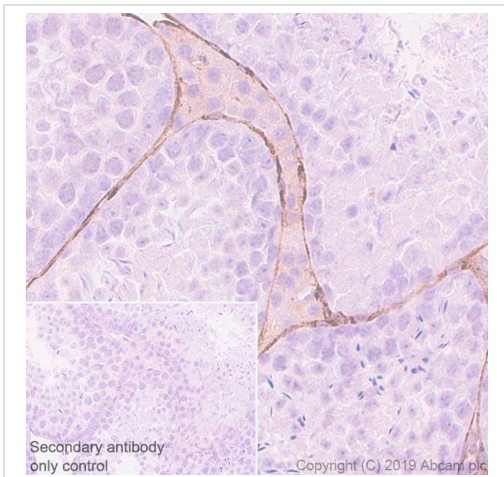


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling Laminin gamma 3 with ab234429 at 1/500 followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining on the blood vessels in the mouse cerebrum (PMID:15824114) is observed. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Laminin gamma 3 antibody [EPR22699-151] (ab234429)

Immunohistochemical analysis of paraffin-embedded Mouse testis tissue labeling Laminin gamma 3 with ab234429 at 1/500 followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining on the basement membrane in the mouse testis (PMID: 15824114) is observed. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

### 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 gamma 3 antibody [EPR22699-151]  
(ab234429)

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

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