

## Product datasheet

### Anti-Biglycan antibody [EPR2959] $\alpha$ b109369

Recombinant RabMAb

★☆☆☆☆ [1 Abreviews](#) [2 References](#) [3 Images](#)

#### Overview

Product name	Anti-Biglycan antibody [EPR2959]
Description	Rabbit monoclonal [EPR2959] to Biglycan
Host species	Rabbit
Tested applications	<b>Suitable for:</b> Flow Cyt (Intra), WB <b>Unsuitable for:</b> ICC/IF or IHC-P
Species reactivity	<b>Reacts with:</b> Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Rat cartilage, C2C12, Human skeletal muscle and Mouse muscle lysates; L6 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2959
Isotype	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109369 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
Flow Cyt (Intra)		1/100 - 1/500. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 42 kDa.

### Application notes

Is unsuitable for ICC/IF or IHC-P.

## Target

### Function

May be involved in collagen fiber assembly.

### Tissue specificity

Found in several connective tissues, especially in articular cartilages.

### Sequence similarities

Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily.  
Contains 12 LRR (leucine-rich) repeats.

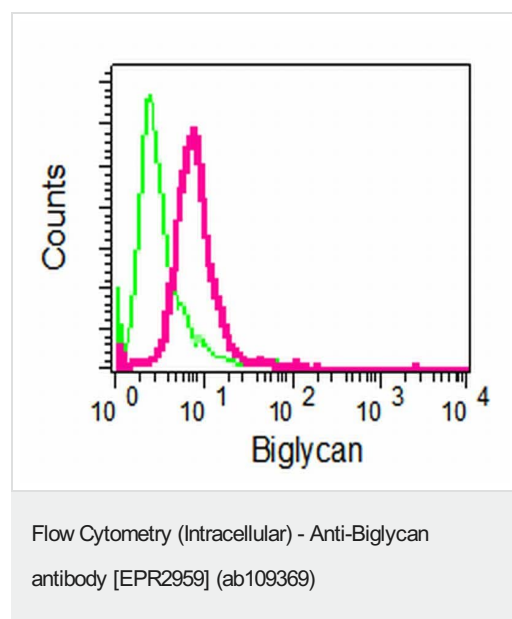
### Post-translational modifications

The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate.

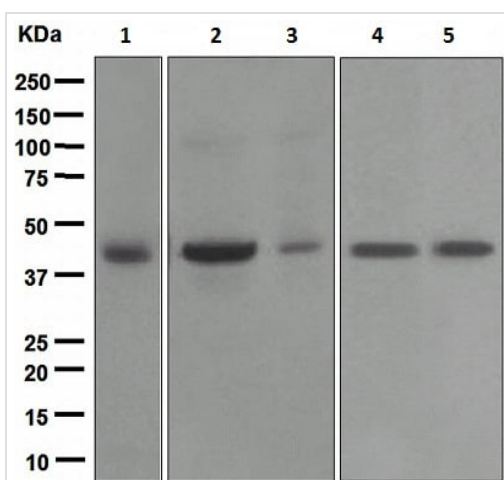
### Cellular localization

Secreted > extracellular space > extracellular matrix.

## Images



Intracellular flow cytometric analysis of permeabilized L6 cells using ab109369 at 1/100 dilution (red) or a rabbit IgG (negative) (green).



Western blot - Anti-Biglycan antibody [EPR2959]  
(ab109369)

**All lanes** : Anti-Biglycan antibody [EPR2959] (ab109369) at  
1/1000 dilution

**Lane 1** : Rat cartilage lysate

**Lane 2** : L6 lysate

**Lane 3** : C2C12 lysate

**Lane 4** : Human skeletal muscle lysate

**Lane 5** : Mouse muscle lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled Goat anti-Rabbit at 1/2000 dilution

**Predicted band size:** 42 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-Biglycan antibody [EPR2959] (ab109369)

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

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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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