

## Product datasheet

# Anti-Biglycan antibody [EPR20235] ab209234

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-Biglycan antibody [EPR20235]
<b>Description</b>	Rabbit monoclonal [EPR20235] to Biglycan
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein within Human Biglycan aa 1 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">P21810</a>
<b>Positive control</b>	IHC-P: Human testis, kidney, bladder cancer and thyroid cancer tissues.
<b>General notes</b>	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

<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>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20235
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab209234** in the following tested applications.

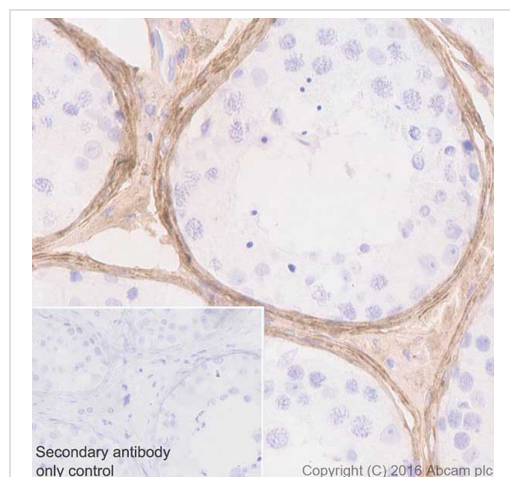
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

<b>Function</b>	May be involved in collagen fiber assembly.
<b>Tissue specificity</b>	Found in several connective tissues, especially in articular cartilages.
<b>Sequence similarities</b>	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. Contains 12 LRR (leucine-rich) repeats.
<b>Post-translational modifications</b>	The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix.

## Images

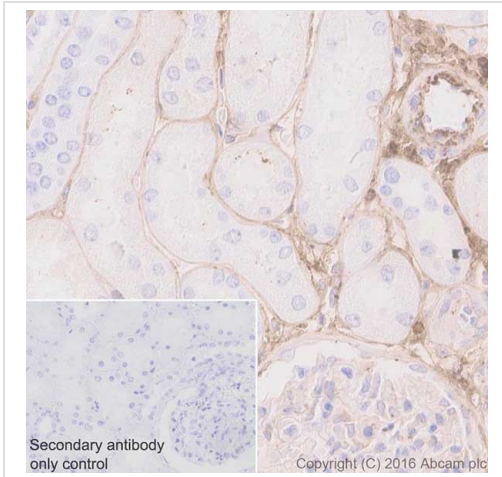


Immunohistochemical analysis of paraffin-embedded human testis tissue labeling Biglycan with ab209234 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Specific extracellular matrix staining on peritubular myoid cells and Leydig cells of human testis is observed [PMID: 7626709]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biglycan antibody [EPR20235] ([ab209234](#))

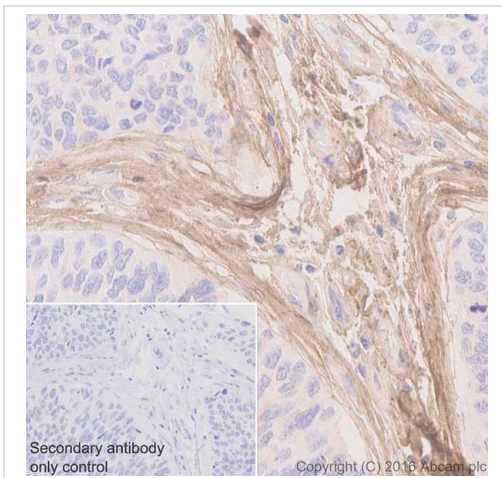


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biglycan antibody [EPR20235] (ab209234)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Biglycan with ab209234 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Positive staining on basement membrane and blood vessel of human kidney is observed [PMID: 11012890]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

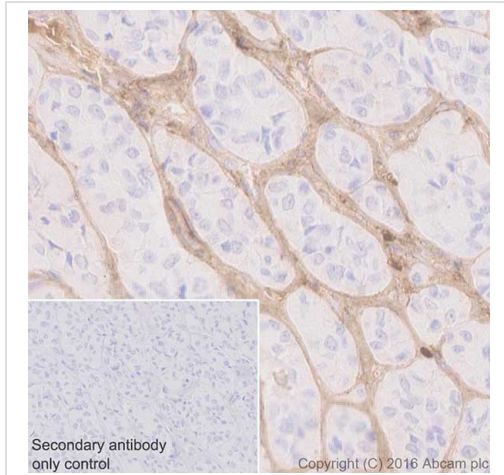


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biglycan antibody [EPR20235] (ab209234)

Immunohistochemical analysis of paraffin-embedded human bladder cancer tissue labeling Biglycan with ab209234 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Positive staining on stromal cells of human bladder cancer is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biglycan antibody [EPR20235] (ab209234)

Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue labeling Biglycan with ab209234 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Positive staining on stromal cells of human thyroid cancer is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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

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