




## Product datasheet

### Anti-Biglycan antibody ab58562

★★★★★ [5 Abreviews](#) [20 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-Biglycan antibody
<b>Description</b>	Goat polyclonal to Biglycan
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Sheep, Horse, Dog, Xenopus laevis, Pufferfish, Zebrafish 
<b>Immunogen</b>	Synthetic peptide within Human Biglycan aa 350 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <a href="#">contact</a> our Scientific Support team to discuss your requirements. Database link: <a href="#">P21810</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	ICC: Human HepG2 and Mouse NIH/3T3 cells.
<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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

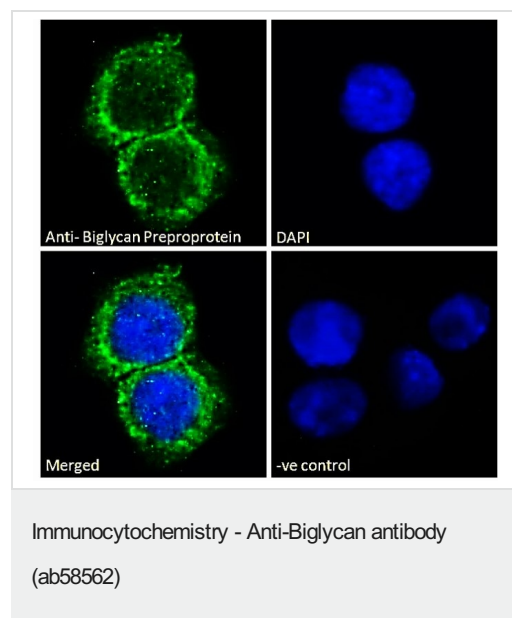
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab58562 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 10 µg/ml.

## Target

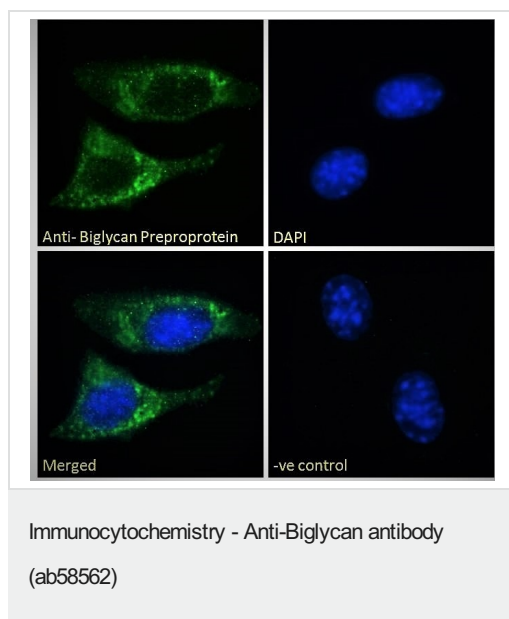
<b>Function</b>	May be involved in collagen fiber assembly.
<b>Tissue specificity</b>	Found in several connective tissues, especially in articular cartilages.
<b>Sequence similarities</b>	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. Contains 12 LRR (leucine-rich) 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



Immunocytochemistry analysis of paraformaldehyde fixed, 0.15% Triton X 100 permeabilized HepG2 cells staining biglycan with ab58562 at 10µg/ml, followed by Alexa Fluor 488 secondary antibody at 2µg/ml (green). Nuclei counterstained with DAPI (blue).

Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).



Immunocytochemistry analysis of paraformaldehyde fixed, 0.15% Triton X 100 permeabilized NIH3T3 cells staining biglycan with ab58562 at 10µg/ml, followed by Alexa Fluor 488 secondary antibody at 2µg/ml (green). Nuclei counterstained with DAPI (blue).

Negative control: Unimmunized goat IgG (10µg/ml) followed by Alexa Fluor 488 secondary antibody (2µg/ml).

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

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