

# Product Datasheet

## Biglycan Antibody NB100-55407

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 4

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**NB100-55407**

## Biglycan Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	41.7 kDa

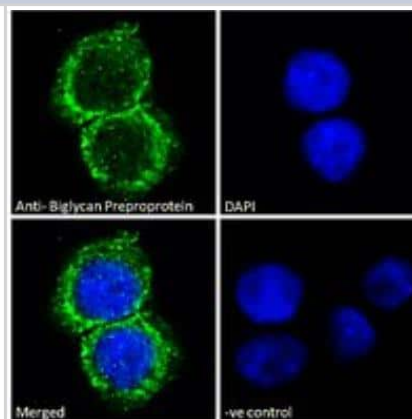
Product Description	
Description	Novus Biologicals Goat Biglycan Antibody (NB100-55407) is a polyclonal antibody validated for use in IHC, ELISA and ICC/IF. Anti-Biglycan Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	633
Gene Symbol	BGN
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 22427827).
Immunogen	Biglycan Antibody is made to a peptide with sequence C-DRLAIQFGNYKK corresponding to C-Terminus according to NP_001702.1.

Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	ELISA, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:2000
Application Notes	IHC successful usage on human achilles tendons is reported in scientific literature (PMID: 23001016). Use in ELISA reported in scientific literature (PMID:26694746)

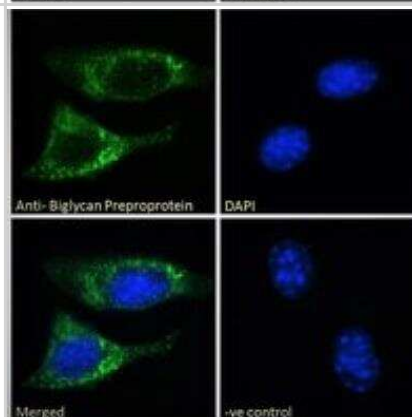


## Images

Immunocytochemistry/Immunofluorescence: Biglycan Antibody [NB100-55407] - Analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing Golgi/ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunocytochemistry/Immunofluorescence: Biglycan Antibody [NB100-55407] - Analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing Golgi staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



## Publications

Reine TM, Vuong TT, Rutkovskiy A et al. Serglycin in Quiescent and Proliferating Primary Endothelial Cells. PLoS One 2015-01-01 [PMID: 26694746] (ELISA)

Chen WB, Lenschow W, Tiede K et al. Smad4/DPC4-dependent regulation of biglycan gene expression by transforming growth factor-beta in pancreatic tumor cells. J Biol Chem 2002-09-27 [PMID: 12140283]

Burssens A, Forsyth R, Bongaerts W et al. Arguments for an increasing differentiation towards fibrocartilaginous components in midportion Achilles tendinopathy. Knee Surg Sports Traumatol Arthrosc 2012-09-23 [PMID: 23001016]

Antipova O, Orgel J. Non-Enzymatic Decomposition of Collagen Fibers by a Biglycan Antibody and a Plausible Mechanism for Rheumatoid Arthritis PLoS ONE 2012-01-01 [PMID: 22427827] (Human, Bovine, Rat)



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### **Products Related to NB100-55407**

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NBL1-07973	Biglycan Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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