

Product Datasheet

Biglycan Antibody - BSA Free NBP1-84971

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-84971

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-84971



NBP1-84971

Biglycan Antibody - BSA Free

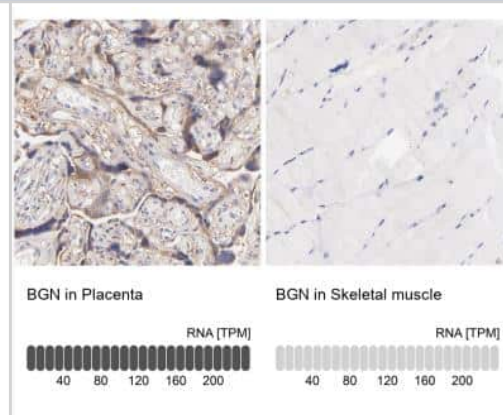
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	633
Gene Symbol	BGN
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:35008869).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RGFWDFTLDDGPFMMNDEEASGADTSGVLPDPSVTPTYSAMCPFGCHCHLR VVQCSDLGLKSVPKEISPDTLLDLQNNDISELRKDDFKGLQHLALVNVNKKIS KIHEKAFSPLRKLQKLYISKHNLVEIPPNLPSL

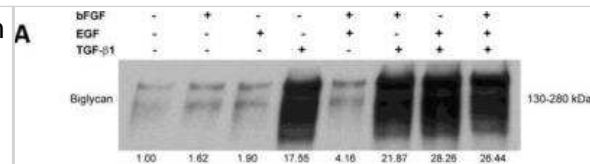
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

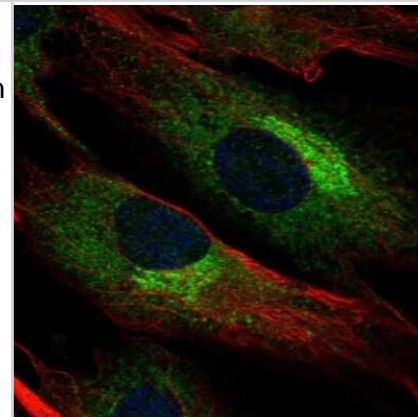
Immunohistochemistry-Paraffin: Biglycan Antibody [NBP1-84971] - Analysis in human placenta and skeletal muscle tissues. Corresponding BGN RNA-seq data are presented for the same tissues.



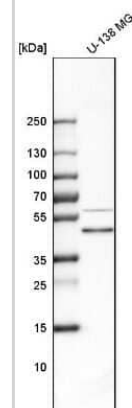
Western Blot: Biglycan Antibody [NBP1-84971] - Treatment of CAFs with combined cytokines or cancer cell-derived secretomes affects ECM protein expression. Western blot showing the effects of bFGF, EGF and TGF beta 1 treatment (10 ng/ml) on the expression of biglycan in CAFs. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/25593993/>) licensed under a CC-BY license.



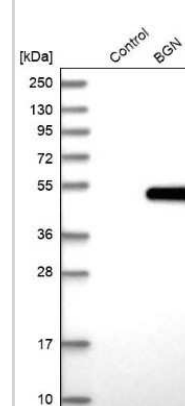
Immunocytochemistry/Immunofluorescence: Biglycan Antibody [NBP1-84971] - Staining of human cell line BJ shows localization to endoplasmic reticulum & the Golgi apparatus. Antibody staining is shown in green.



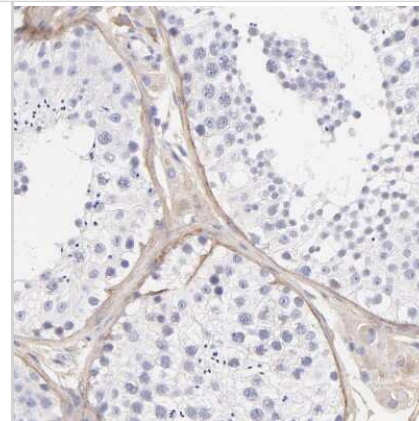
Western Blot: Biglycan Antibody [NBP1-84971] - Analysis in human cell line U-138 MG.



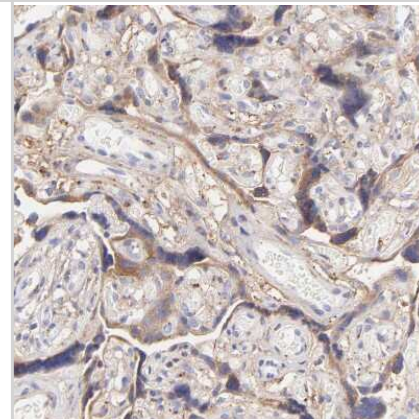
Western Blot: Biglycan Antibody [NBP1-84971] - Analysis in control (vector only transfected HEK293T lysate) and BGN over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



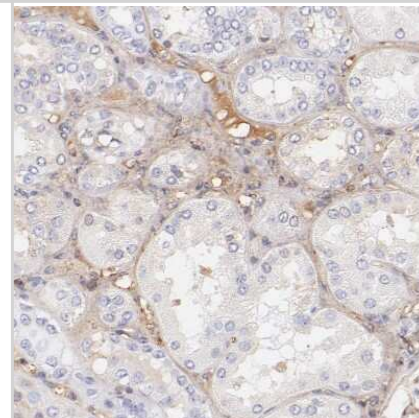
Immunohistochemistry-Paraffin: Biglycan Antibody [NBP1-84971] - Staining of human testis shows weak to moderate cytoplasmic positivity in peritubular myoid cells.



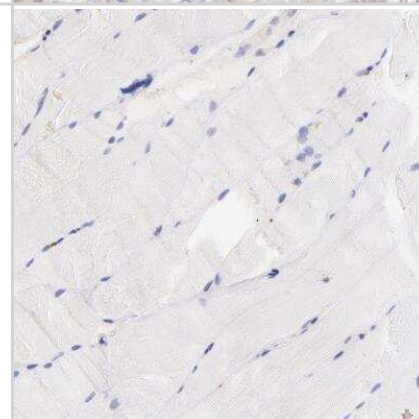
Immunohistochemistry-Paraffin: Biglycan Antibody [NBP1-84971] - Staining of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



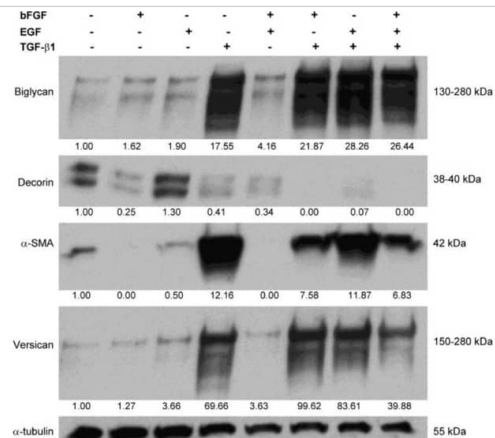
Immunohistochemistry-Paraffin: Biglycan Antibody [NBP1-84971] - Staining of human kidney shows moderate extracellular space positivity.



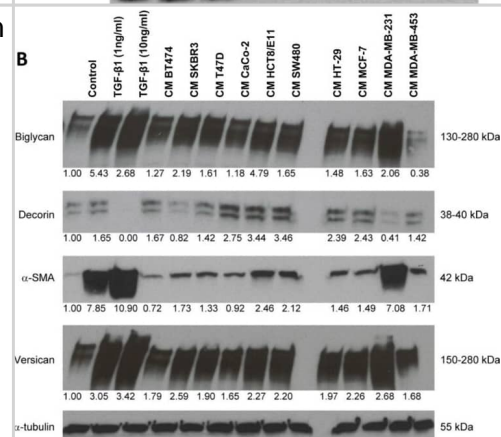
Immunohistochemistry-Paraffin: Biglycan Antibody [NBP1-84971] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Western Blot: Biglycan Antibody [NBP1-84971] - Treatment of CAFs with combined cytokines or cancer cell-derived secretomes affects ECM protein expression(A) Western blot showing the effects of bFGF, EGF & TGF- β 1 treatment (10 ng/ml) on the expression of biglycan, decorin, α -SMA & versican in CAFs. (B) Western blot illustrating the effects of treatment with cancer cell-derived conditioned medium (CM) on the expression of biglycan, decorin, α -SMA & versican in CAFs. TGF- β 1 treatment (1 & 10 ng/ml) was included as a positive control. Tubulin was used as loading control (A, B). Image collected & cropped by CiteAb from the following publication (<https://www.oncoscience.us/lookup/doi/10.18632/oncoscience.87>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Biglycan Antibody [NBP1-84971] - Treatment of CAFs with combined cytokines or cancer cell-derived secretomes affects ECM protein expression(A) Western blot showing the effects of bFGF, EGF & TGF- β 1 treatment (10 ng/ml) on the expression of biglycan, decorin, α -SMA & versican in CAFs. (B) Western blot illustrating the effects of treatment with cancer cell-derived conditioned medium (CM) on the expression of biglycan, decorin, α -SMA & versican in CAFs. TGF- β 1 treatment (1 & 10 ng/ml) was included as a positive control. Tubulin was used as loading control (A, B). Image collected & cropped by CiteAb from the following publication (<https://www.oncoscience.us/lookup/doi/10.18632/oncoscience.87>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Mirzaei R, D'Mello C, Liu M et al. Single-Cell Spatial Analysis Identifies Regulators of Brain Tumor-Initiating Cells Cancer research 2023-05-15 [PMID: 37067922] (ICC/IF, IHC-P, Human, Mouse)

Saha A, Cheriyaundath S, Kumar A et al. A Necessary Role for Increased Biglycan Expression during L1-Mediated Colon Cancer Progression International journal of molecular sciences 2021-12-31 [PMID: 35008869] (IF/IHC, Mouse)

Van Bockstal M, Lambein K, Van Gele M et al. Differential regulation of extracellular matrix protein expression in carcinoma-associated fibroblasts by TGF- β 1 regulates cancer cell spreading but not adhesion. Oncoscience 2014 -01-01 [PMID: 25593993] (IF/IHC, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-84971

NBP1-84971PEP	Biglycan Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-84971

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

