

# Product Datasheet

## Collagen III alpha 1/COL3A1 Antibody - BSA Free NBP2-15946

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-15946](http://www.novusbio.com/NBP2-15946)

Updated 2/23/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-15946](http://www.novusbio.com/reviews/destination/NBP2-15946)



**NBP2-15946**

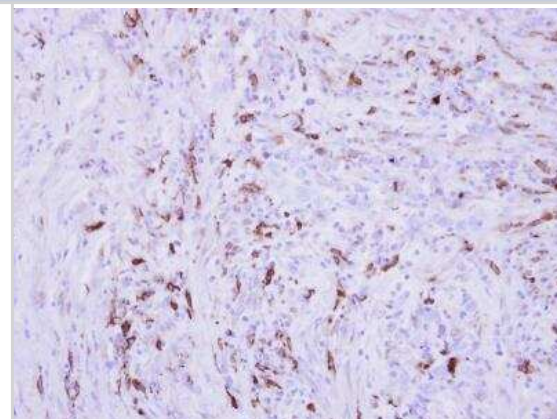
Collagen III alpha 1/COL3A1 Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	139 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1281
<b>Gene Symbol</b>	COL3A1
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Porcine reactivity reported in scientific literature (PMID: 28794502). Chicken (83%), <i>Xenopus laevis</i> (80%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of human Collagen III alpha 1/COL3A1. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:3000, Immunohistochemistry 1:100 - 1:1000, Immunohistochemistry-Paraffin 1:100 - 1:1000, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 32345960)

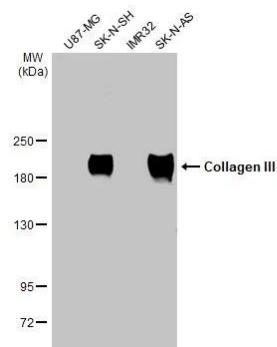


## Images

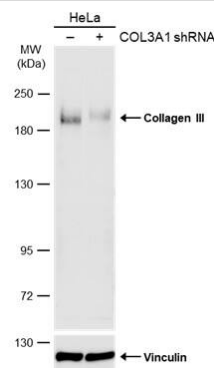
Immunohistochemistry-Paraffin: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Human PAPILLARY CA\_STROMAL CELLS, using Collagen III antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Various extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Collagen III alpha 1/COL3A1 antibody [C2C3], C-term (NBP2-15946) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Collagen III alpha 1/COL3A1 Antibody [NBP2-15946] - Non-transfected (-) and transfected (+) HeLa whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Collagen III antibody [C2C3], C-term diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Luo J, Liu X, Liu J et al. Activation of TGF-beta1 by AQP3-Mediated H2O2 Transport into Fibroblasts of a Bleomycin-Induced Mouse Model of Scleroderma *Journal of Investigative Dermatology* 2016-07-22 [PMID: 27456753] (WB, WB, Mouse)

He X, Cheng R, Huang C, Takahashi Y A novel role of LRP5 in tubulointerstitial fibrosis through activating TGF-beta/Smad signaling *Signal Transduction and Targeted Therapy* 2020-01-01 [PMID: 32345960] (IHC-Fr, Mouse)

Gedik N, Kruger M, Thielmann M et al. Proteomics/phosphoproteomics of left ventricular biopsies from patients with surgical coronary revascularization and pigs with coronary occlusion/reperfusion: remote ischemic preconditioning *Sci Rep* 2017-08-09 [PMID: 28794502] (WB, Porcine)



### **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 NBP2-15946**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-97267	Collagen III alpha 1/COL3A1 Native Protein

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-15946](http://www.novusbio.com/reviews/submit/NBP2-15946)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

