

# Product Datasheet

## COL1A2 Antibody - BSA Free

### NBP2-92790-0.1ml

Unit Size: 0.1 ml

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

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



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#### Publications: 1

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Updated 9/9/2025 v.20.1

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**NBP2-92790-0.1ml**

COL1A2 Antibody - BSA Free

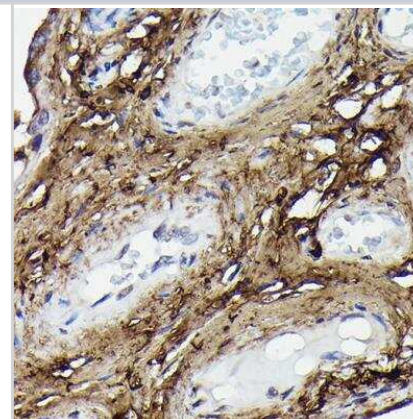
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol
<b>Target Molecular Weight</b>	129 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit COL1A2 Antibody - BSA Free (NBP2-92790) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-COL1A2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1278
<b>Gene Symbol</b>	COL1A2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 501-600 of human COL1A2 (NP_000080.2). TGDPGKNGDKGHAGLAGARGAPGPDGNGAQQGPPGPQGVQGGKGEQGPP GPPGFQGLPGSPGAGEVGGKPGERGLHGEFGLPGPAGPRGERGPPGESGAA

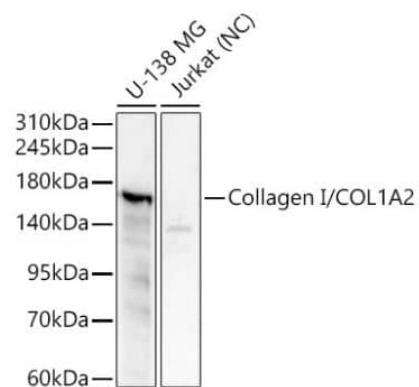
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:1000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:50-1:200, Immunocytochemistry/Immunofluorescence 1:25-1:200, Immunohistochemistry-Paraffin

**Images**

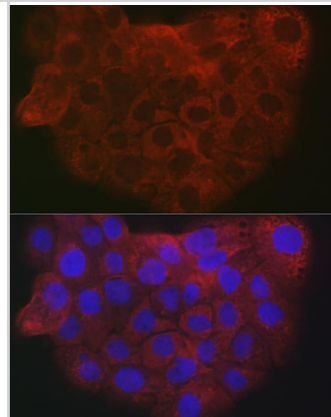
Immunohistochemistry-Paraffin: COL1A2 Antibody [NBP2-92790] - Human placenta using Collagen I/COL1A2 Rabbit pAb (A5786) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



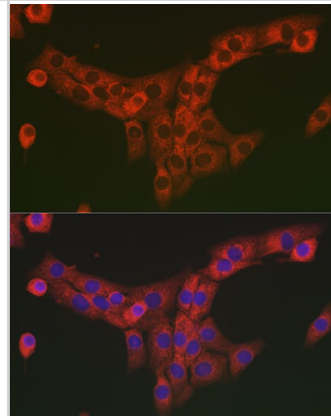
Western Blot: COL1A2 Antibody [NBP2-92790] - Analysis of various lysates, using Collagen I/COL1A2 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Negative control (NC): Jurkat Exposure time: 30s.



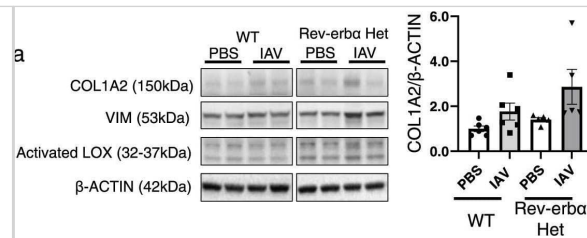
Immunocytochemistry/ Immunofluorescence: COL1A2 Antibody - Azide and BSA Free [NBP2-92790] - Immunofluorescence analysis of A-431 cells using COL1A2 Rabbit pAb at dilution of 1:25. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunocytochemistry/ Immunofluorescence: COL1A2 Antibody - Azide and BSA Free [NBP2-92790] - Immunofluorescence analysis of NIH/3T3 cells using COL1A2 Rabbit pAb at dilution of 1:25. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



IAV infection induced dysregulation of profibrotic progression exacerbated in Rev-erba Het mice. WT and Rev-erba Het mice (equal number of male and female) infected (103 PFU/mouse) with IAV for 15 days, and lungs were separated for RNA/protein isolation, or fixed with 10% formalin for FFPE sections. a The protein abundance of COL1A2, VIM and activated LOX were measured by western blot. Representative blot images were shown. Different targets were run on the same membrane: COL1A2, VIM and activated LOX were probed in the same membrane and  $\beta$ -ACTIN was used as an endogenous control (n = 5–6 mice per group). b The localizations of COL1A1 and LOX were determined by immunohistochemical staining, and red arrows were used to indicate the regions of interest. The positive staining area was calculated via ImageJ (n = 4–6 mice per group). c RNA isolated from lung homogenates was used to measure the gene expression (COL1A1, FN1, TJP1 and TGFB1) via qRT-PCR, and GAPDH was used as an endogenous gene for normalization (n = 5–6 mice per group). Data are shown as mean  $\pm$  SEM, one-way ANOVA followed Šidak's multiple comparisons test was used in a–c. Bar size: 50  $\mu$ m in b. (n = 4–6; \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001 between groups; #p < 0.05, ##p < 0.01 compared with IAV infected WT group). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36894533>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Wang Q, Sundar IK, Lucas JH et al. Circadian clock molecule REV-ERB $\alpha$  regulates lung fibrotic progression through collagen stabilization Nature communications 2023-03-09 [PMID: 36894533] (Western Blot, Mouse)



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### **Products Related to NBP2-92790-0.1ml**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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