

# Product Datasheet

## Collagen VI alpha 1 Antibody - BSA Free NBP1-91195

Unit Size: 0.1 ml

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

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**NBP1-91195**

Collagen VI alpha 1 Antibody - BSA Free

Product Information	
<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>	Store at 4C short term. Aliquot and store at -20C long term. 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 7.2) and 40% Glycerol

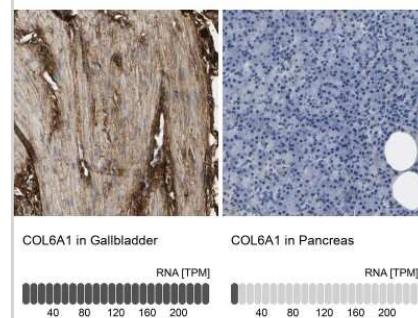
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Collagen VI alpha 1 Antibody - BSA Free (NBP1-91195) is a polyclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1291
<b>Gene Symbol</b>	COL6A1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (89%), Rat (87%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VSVGIKDVDFDFIPGSDQLNVISCQGLAPSQGRPGLSLVKENYAEELLEDAFLKNV TAQICIDKKCPDYTCPITFSSPADITILLD

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

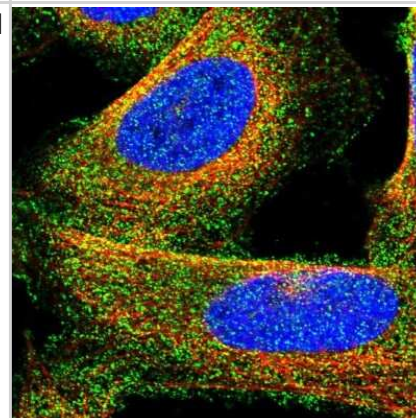


## Images

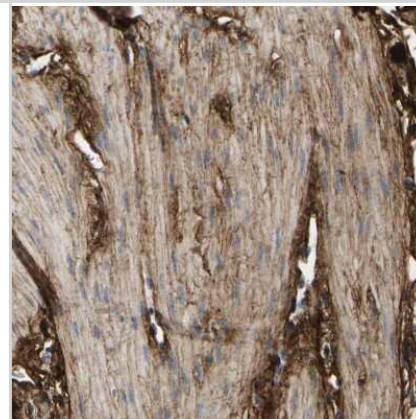
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody [NBP1-91195] - Collagen VI Antibody [NBP1-91195] - Staining in human gallbladder and pancreas tissues using anti-COL6A1 antibody. Corresponding COL6A1 RNA-seq data are presented for the same tissues.



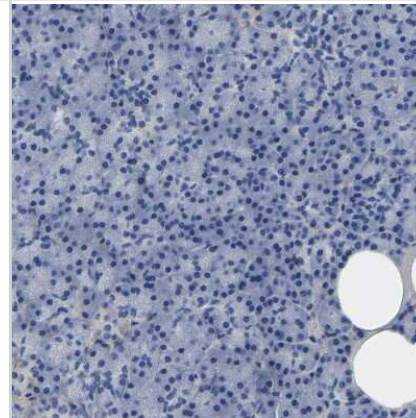
Immunocytochemistry/Immunofluorescence: Collagen VI Antibody [NBP1-91195] - Immunofluorescent staining of human cell line U-2 OS shows localization to cytosol.



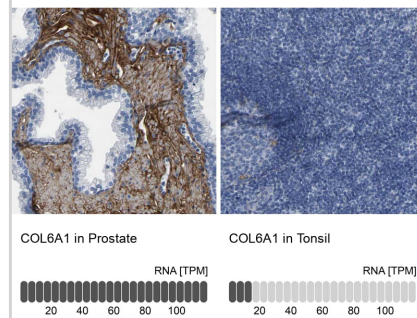
Immunohistochemistry-Paraffin: Collagen VI Antibody [NBP1-91195] - Staining of human gallbladder shows high expression.



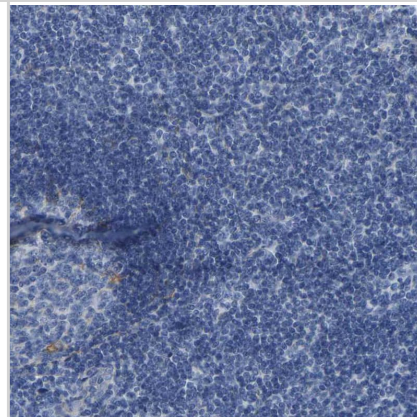
Immunohistochemistry-Paraffin: Collagen VI Antibody [NBP1-91195] - Staining of human pancreas shows low expression as expected.



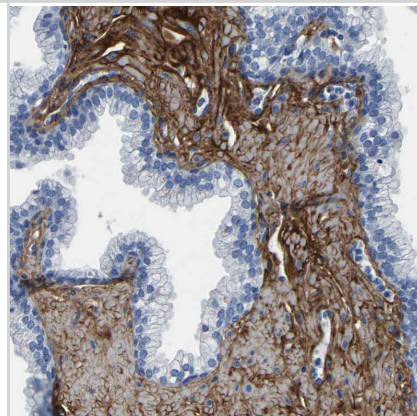
Analysis in human prostate and tonsil tissues using NBP1-91195 antibody. Corresponding COL6A1 RNA-seq data are presented for the same tissues.



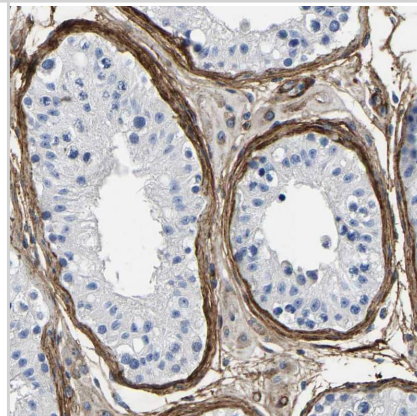
Staining of human tonsil shows no positivity in non-germinal center cells as expected.



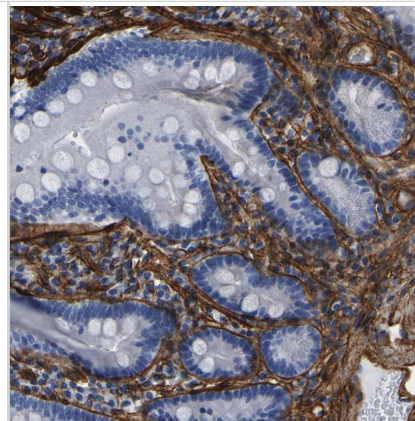
Staining of human prostate shows strong membranous positivity in smooth muscle cells.



Staining of human testis shows strong membranous positivity in collagen fibers.



Staining of human duodenum shows strong membranous positivity in smooth muscle cells.





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### **Products Related to NBP1-91195**

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NBP1-91195PEP	Collagen VI alpha 1 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

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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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