

# Product Datasheet

## Collagen VI alpha 1 Antibody (SD83-03) NBP2-67825

Unit Size: 100 ul

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

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**NBP2-67825**

Collagen VI alpha 1 Antibody (SD83-03)

**Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 100 ul                                                                                 |
| <b>Concentration</b> | 1 mg/ml                                                                                |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal                                                                             |
| <b>Clone</b>         | SD83-03                                                                                |
| <b>Preservative</b>  | 0.05% Sodium Azide                                                                     |
| <b>Isotype</b>       | IgG                                                                                    |
| <b>Purity</b>        | Protein A purified                                                                     |
| <b>Buffer</b>        | TBS (pH7.4), 0.05% BSA, 40% Glycerol                                                   |

**Product Description**

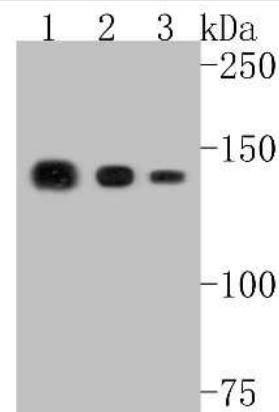
|                    |                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Rabbit Collagen VI alpha 1 Antibody (SD83-03) (NBP2-67825) is a recombinant monoclonal antibody validated for use in IHC, WB 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, Mouse, Rat                                                                                                                                                                                                              |
| <b>Immunogen</b>   | Recombinant protein within Human Collagen VI alpha 1 aa 17-255 / 1,028. (SwissProt: P12109 Human; SwissProt: P12110 Human; SwissProt: P12111 Human; SwissProt: Q02788 Mouse; SwissProt: Q04857 Mouse; Unigene:232118 Rat)      |

**Product Application Details**

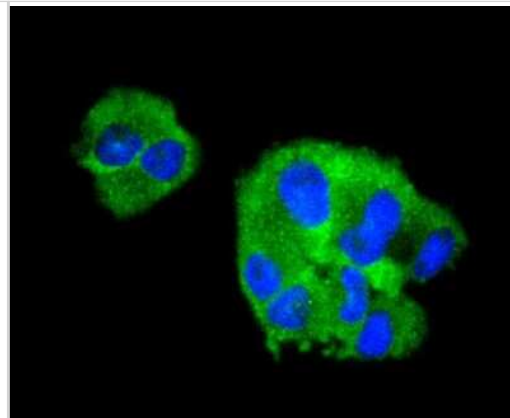
|                              |                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry                                      |
| <b>Recommended Dilutions</b> | Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:500, Immunohistochemistry-Paraffin 1:50-1:200 |

**Images**

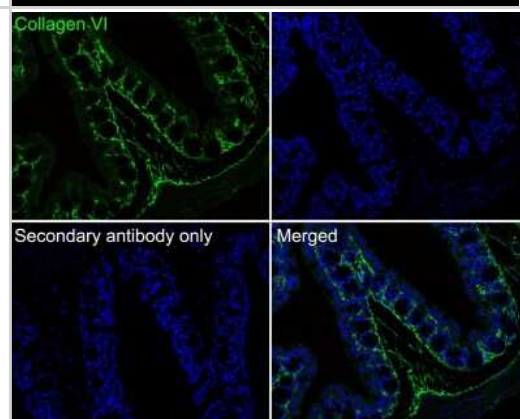
Western Blot: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Western blot analysis of Collagen VI alpha 1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours.



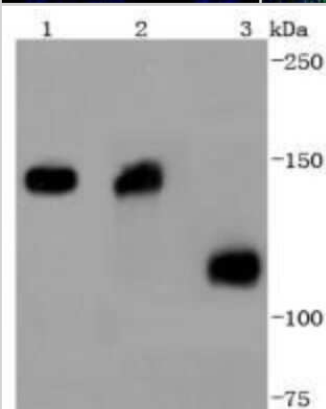
**Immunocytochemistry/Immunofluorescence: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825]** - Staining Collagen VI in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



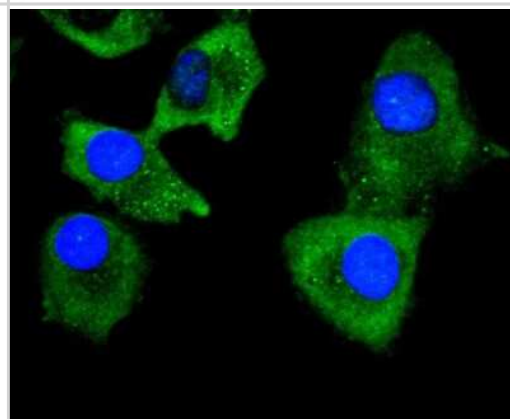
**Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825]** - Immunofluorescence analysis of paraffin-embedded mouse colon tissue labeling Collagen VI alpha 1 with Rabbit anti-Collagen VI alpha 1 antibody washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor(TM) 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



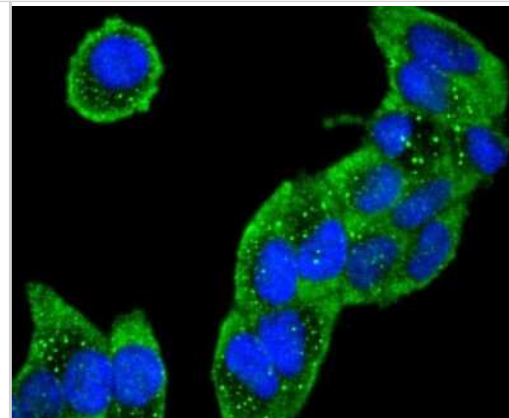
**Western Blot: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825]** - Analysis of Collagen VI on different lysates using anti-Collagen VI antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse heart Lane 2: Human heart Lane 3: Human kidney



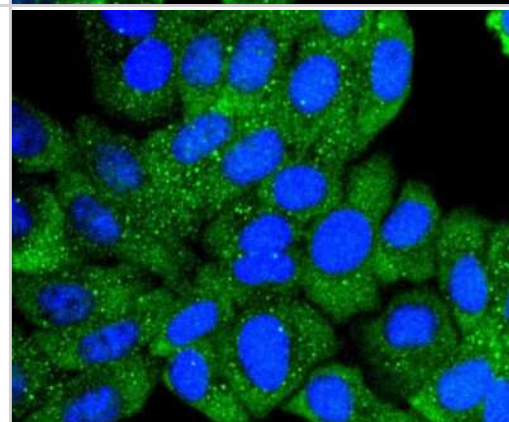
**Immunocytochemistry/Immunofluorescence: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825]** - Staining Collagen VI in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



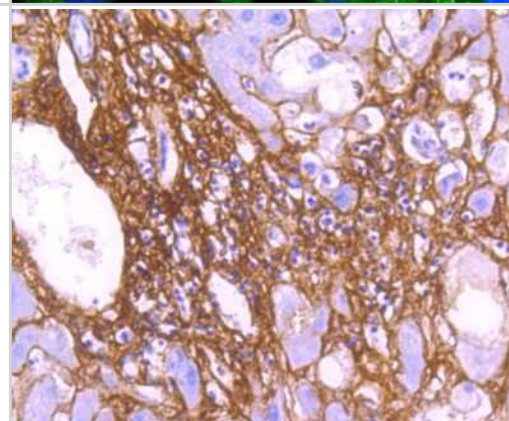
Immunocytochemistry/Immunofluorescence: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Staining Collagen VI in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



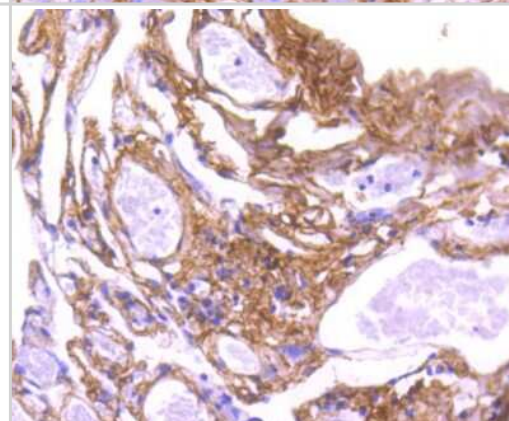
Immunocytochemistry/Immunofluorescence: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Staining Collagen VI in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



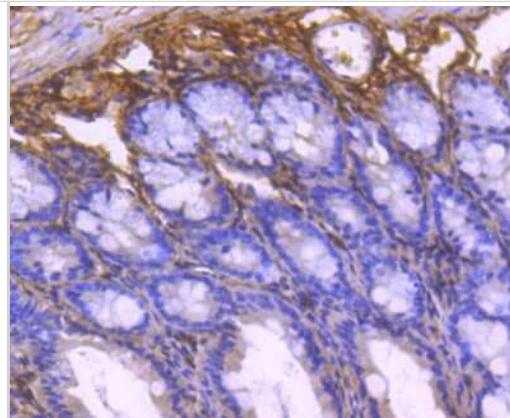
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded human liver tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



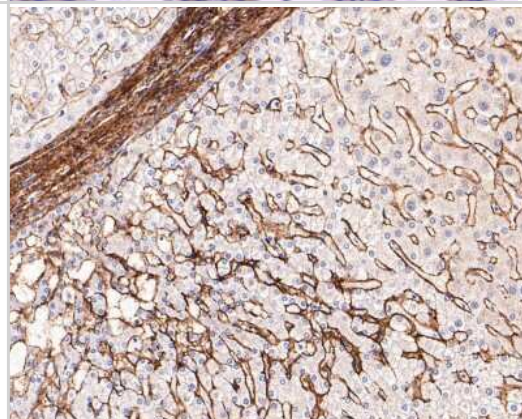
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded human lung tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



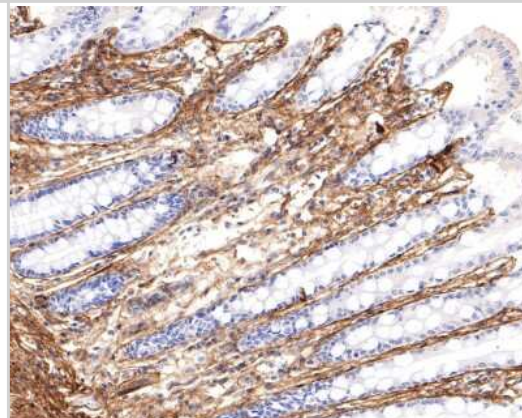
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded mouse colon tissue using anti-Collagen VI antibody. Counter stained with hematoxylin.



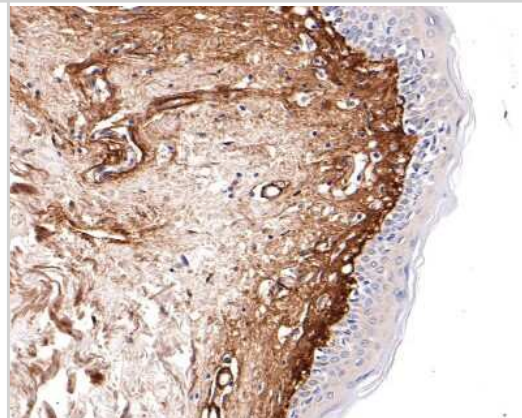
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded human liver tissue with Rabbit anti-Collagen VI antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



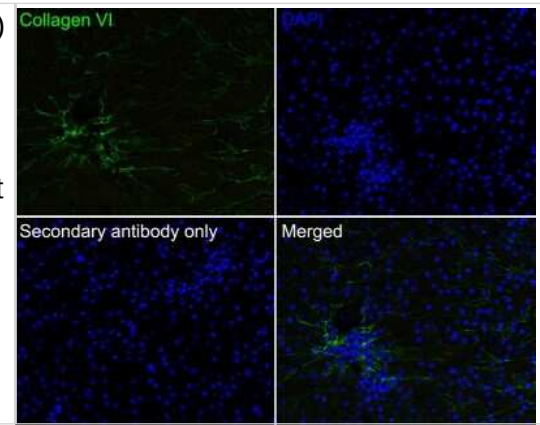
Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded human colon tissue with Rabbit anti-Collagen VI alpha 1 antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Analysis of paraffin-embedded human skin tissue with Rabbit anti-Collagen VI antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Collagen VI alpha 1 Antibody (SD83-03) [NBP2-67825] - Immunofluorescence analysis of paraffin-embedded human liver tissue labeling Collagen VI with Rabbit anti-Collagen VI antibody washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4 , washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor(TM) 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).





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### **Products Related to NBP2-67825**

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|                    |                                                            |
|--------------------|------------------------------------------------------------|
| HAF008             | Goat anti-Rabbit IgG Secondary Antibody [HRP]              |
| NB7160             | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]        |
| NBP2-24891         | Rabbit IgG Isotype Control                                 |
| H00001291-Q01-10ug | Recombinant Human Collagen VI alpha 1 GST (N-Term) Protein |

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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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