

Datasheet for ABIN2856819  
**anti-COL3A1 antibody (C-Term)**

6 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | COL3A1  |
| Binding Specificity: | C-Term  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This COL3A1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant protein encompassing a sequence within the C-terminus region of human Collagen III. The exact sequence is proprietary. |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse   |
| Characteristics:  | Rabbit Polyclonal antibody to Collagen III alpha1 (collagen, type III, alpha 1)<br>Collagen III alpha1 antibody [C2C3-2], C-term   |
| Purification:     | Purified by antigen-affinity chromatography.   |

## Target Details

|         |        |
|---------|--------|
| Target: | COL3A1 |
|---------|--------|

## Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | collagen type III alpha 1 chain ( <a href="#">COL3A1 Products</a> )   |
| Background:       | <p>This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalglish]</p> <p>Cellular Localization: Secreted , extracellular space , extracellular matrix</p> |
| Molecular Weight: | 139 kDa   |
| Gene ID:          | 1281  |
| UniProt:          | <a href="#">P02461</a>  |
| Pathways:         | <a href="#">Autophagy</a> , <a href="#">Growth Factor Binding</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: HeLa  |
| Restrictions:      | For Research Use only   |

## Handling

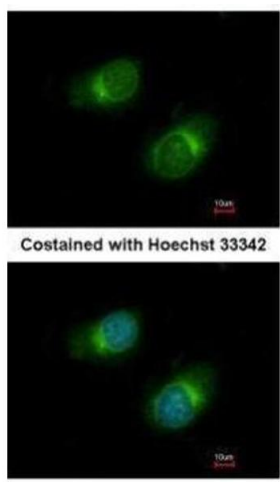
|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | 0.53 mg/mL  |
| Buffer:            | 1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300  |
| Preservative:      | ProClin   |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C, -20 °C  |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid |

multiple freeze-thaw cycles.

Publications

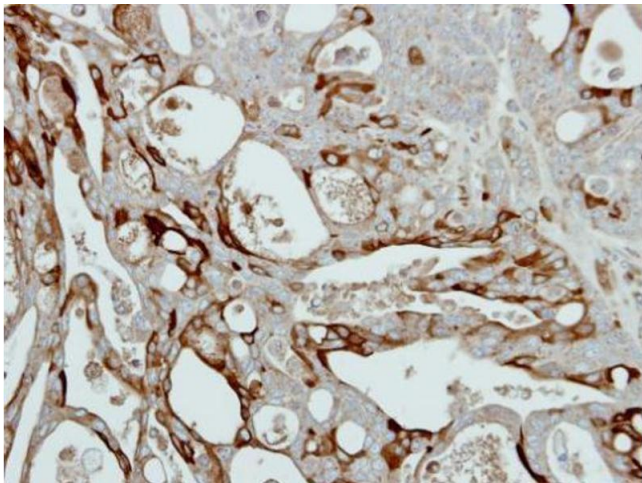
Product cited in: Xu, Zhou, Xiong, Zou, Deng, Ganaie, Kleiboeker, Peng, Liu, Wang, Ye, Qiu: "Parvovirus B19 NS1 protein induces cell cycle arrest at G2-phase by activating the ATR-CDC25C-CDK1 pathway." in: **PLoS pathogens**, Vol. 13, Issue 3, pp. e1006266, (2017) ([PubMed](#)).

Validation report #101746 for Immunofluorescence (IF)



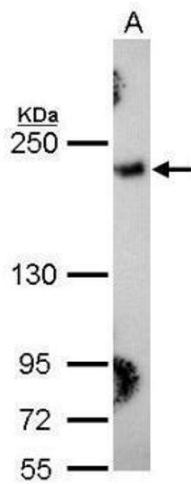
**Immunofluorescence**

**Image 1.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using COL3A1, antibody at 1:50 dilution.



**Immunohistochemistry**

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded NCIN87 xenograft, using Collagen III alpha1, antibody at 1:500 dilution.



#### Western Blotting

**Image 3.** WB Image Sample (30 ug of whole cell lysate) A:  
Hela 5% SDS PAGE antibody diluted at 1:1000

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2856819.