

## Rabbit anti-Human Collagen alpha-1 Polyclonal Antibody | anti-COL2A1 antibody

Rabbit anti-human Collagen alpha-1(II) chain polyclonal Antibody(COL2A1)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA119313 | Rabbit | Human      | Immunohistochemistry, Western Blot, ELISA |

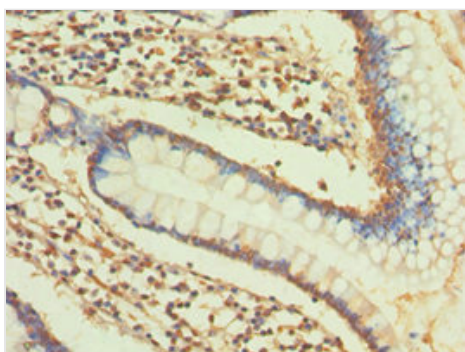
### PRODUCT SYNONYMS

Collagen alpha-1; Polyclonal Antibody; Rabbit anti-human Collagen alpha-1(II) chain polyclonal Antibody(COL2A1); Alpha-1 type II collagen; COL2A1; anti-COL2A1 antibody

### PRODUCT SPECIFICATIONS

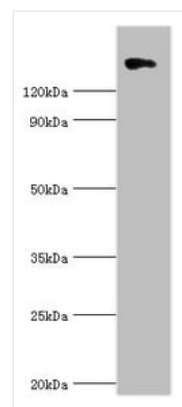
|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | Antigen Affinity Purified                                                                                      |
| Sequence Length                                  | 1487                                                                                                           |
| Applicable Applications for anti-COL2A1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                           |
| Storage Buffer                                   | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Conjugate                                        | Non-conjugated                                                                                                 |
| Immunogen                                        | Recombinant human Collagen alpha-1(II) chain protein(1228-1487aa)                                              |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7764 / sc-7763 / sc-28887              |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded small intestine using AAA119313 at dilution 1:100



**WB (Western Blot)**

All lanes: Collagen alpha-1(II) chain antibody at 10ug/ml+293T whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 142,135,30 kDaObserved band size: 142 kDa

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL2A1 antibody | Type II collagen is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces. |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 111118976                                                                                      |
| NCBI GeneID                      | 1280                                                                                           |
| NCBI Accession #                 | NP_001835.3                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001844.4                                                                                    |
| UniProt Accession #              | P02458; Q12985; Q14009; Q14044; Q14045; Q14046; Q14047; Q14056; Q14058; Q16672; Q1JQ82; A6NGA0 |
| Molecular Weight                 | 29,781 Da                                                                                      |
| NCBI Official Full Name          | collagen alpha-1(II) chain isoform 1                                                           |
| NCBI Official Synonym Full Names | collagen type II alpha 1                                                                       |
| NCBI Official Symbol             | COL2A1                                                                                         |
| NCBI Official Synonym Symbols    | AOM; ANFH; SEDC; STL1; COL11A3                                                                 |
| NCBI Protein Information         | collagen alpha-1(II) chain                                                                     |
| UniProt Protein Name             | Collagen alpha-1(II) chain                                                                     |
| UniProt Gene Name                | COL2A1                                                                                         |
| UniProt Entry Name               | CO2A1_HUMAN                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/collagen-alpha-1-antibody-immunohistochemistry-western-blot-elisa/119313>