

## Rabbit anti-Human Collagen III alpha 1 Monoclonal Antibody | anti-COL3A1 antibody

Recombinant Collagen III alpha 1 Monoclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                     |
|-----------|--------|------------|----------------------------------|
| AAA178791 | Rabbit | Human      | Immunofluorescence, Western Blot |

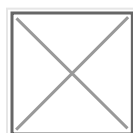
### PRODUCT SYNONYMS

Collagen III alpha 1; Monoclonal Antibody; Recombinant Collagen III alpha 1 Monoclonal Antibody; Alpha 1 type III collagen; Alpha1 (III) collagen; CO3A1; COL 3A1; COL3A1; Collagen alpha 1(III) chain; Collagen alpha-1(III) chain; Collagen III alpha 1 chain precursor; Collagen III alpha 1 polypeptide; Collagen type III alpha 1 (Ehlers Danlos syndrome type IV autosomal dominant); Collagen type III alpha 1; Collagen type III alpha 1 chain; Collagen type III alpha; Collagen; fetal; EDS4A; Ehlers Danlos syndrome type IV; autosomal dominant; Fetal collagen; Type III collagen; anti-COL3A1 antibody

### PRODUCT SPECIFICATIONS

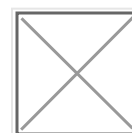
|                                                  |                                                                                                      |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                               |
| Reactivity                                       | Human                                                                                                |
| Clonality                                        | Monoclonal                                                                                           |
| Isotype                                          | IgG                                                                                                  |
| Clone Number                                     | R06-4E1                                                                                              |
| Purity/Purification                              | Affinity Purified                                                                                    |
| Form/Format                                      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| Concentration                                    | 300ug/mL (varies by lot)                                                                             |
| Applicable Applications for anti-COL3A1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                           |
| Immunogen                                        | Recombinant protein of human Collagen III                                                            |
| Research Area                                    | Cancer, Signal Transduction, Stem Cells                                                              |
| Preparation and Storage                          | Storage: -20 degree C/One year. Avoid freeze/thaw cycles.                                            |

### IMAGES



#### ICC (Immunocytochemistry)

Immunocytochemistry of Collagen III(green) in Hela cells using Collagen III Rabbit mAb at dilution 1:50, and DAPI(blue)



#### WB (Western Blot)

Western blot detection of Collagen III in K562, C6, 3T3 cell lysates using Collagen III Rabbit mAb(1:1000 diluted). Predicted band size:139kDa. Observed band size:150kDa.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-COL3A1 antibody

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.

Product Categories/Family for anti-COL3A1 antibody

Antibodies; Primary Antibodies; Recombinant Antibody

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502951                                                                                                                                              |
| NCBI GeneID                      | 1281                                                                                                                                                 |
| NCBI Accession #                 | NP_000081.1                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_000090.3                                                                                                                                          |
| UniProt Accession #              | P02461; P78429; Q15112; Q16403; Q53S91; Q541P8; Q6LDB3; Q6LDJ2; Q6LDJ3; Q7KZ56; Q8N6U4; D3DPH4                                                       |
| Molecular Weight                 | 138,564 Da                                                                                                                                           |
| NCBI Official Full Name          | collagen alpha-1(III) chain preproprotein                                                                                                            |
| NCBI Official Synonym Full Names | collagen, type III, alpha 1                                                                                                                          |
| NCBI Official Symbol             | COL3A1                                                                                                                                               |
| NCBI Official Synonym Symbols    | EDS4A                                                                                                                                                |
| NCBI Protein Information         | collagen alpha-1(III) chain; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant |
| UniProt Protein Name             | Collagen alpha-1(III) chain                                                                                                                          |
| UniProt Gene Name                | <b>COL3A1</b>                                                                                                                                        |
| UniProt Entry Name               | CO3A1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/collagen-iii-alpha-1-antibody-clone-r06-4e1-immunofluorescence-western-blot-elisa/178791>