

## Rabbit COL5A1 Polyclonal Antibody | anti-COL5A1 antibody

COL5A1 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                                                                                                          | APPLICATIONS |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA200982 | Rabbit | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish | Western Blot |

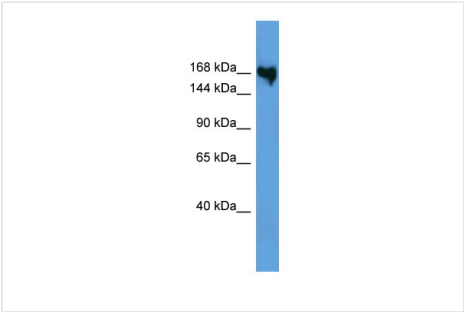
### PRODUCT SYNONYMS

COL5A1; Polyclonal Antibody; COL5A1 antibody - N-terminal region; anti-COL5A1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                  |
| Reactivity                                       | Tested Species Reactivity: Human<br>Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish     |
| Clonality                                        | Polyclonal                                                                                                                              |
| Purity/Purification                              | Affinity Purified                                                                                                                       |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                       |
| Concentration                                    | 0.5 mg/ml (varies by lot)                                                                                                               |
| Sequence                                         | Synthetic peptide located within the following region: PG MPANQDTIYE GIGGPRGEKG QKGEPALIEP<br>GMLIEGPPGP EGPAGLPG                       |
| Sequence Length                                  | 1838                                                                                                                                    |
| Applicable Applications for anti-COL5A1 antibody | WB (Western Blot)                                                                                                                       |
| Homology                                         | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%                 |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the N terminal region of human COL5A1                                             |
| Protein Size (# AA)                              | 1838 amino acids                                                                                                                        |
| Protein Interactions                             | PDGFB; PDGFA; SIRT7; UBC; LGALS3BP; THBS1; SDC3; DCN; COL5A3; BMP1; MAG; SPARC; Igfbp7;                                                 |
| Blocking Peptide                                 | For anti-COL5A1 antibody is Catalog #                                                                                                   |
| Preparation and Storage                          | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

IMAGES



**WB (Western Blot)**  
WB Suggested Anti-COL5A1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive  
Control: MCF7 cell lysate

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL5A1 antibody | <p>This is a rabbit polyclonal antibody against COL5A1. It was validated on Western Blot</p> <p>Target Description: This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II.</p> |
| Product Categories/Family for anti-COL5A1 antibody   | <p>Polyclonal; Neurobiology; Transcription Regulation; Signaling Intermediate; Cell Biology</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 89276751                                          |
| NCBI GeneID                      | 1289                                              |
| NCBI Accession #                 | NP_000084                                         |
| NCBI GenBank Nucleotide #        | NM_000093                                         |
| UniProt Accession #              | P20908                                            |
| Molecular Weight                 | 183kDa                                            |
| NCBI Official Full Name          | collagen alpha-1(V) chain isoform 1 preproprotein |
| NCBI Official Synonym Full Names | collagen type V alpha 1 chain                     |
| NCBI Official Symbol             | COL5A1                                            |
| NCBI Official Synonym Symbols    | EDSC; EDSCL1                                      |
| NCBI Protein Information         | collagen alpha-1(V) chain                         |
| UniProt Protein Name             | Collagen alpha-1(V) chain                         |
| UniProt Gene Name                | COL5A1                                            |
| UniProt Entry Name               | CO5A1_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.