

## Rabbit COL5A1 Antibody | anti-COL5A1 antibody

COL5A1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA267044</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

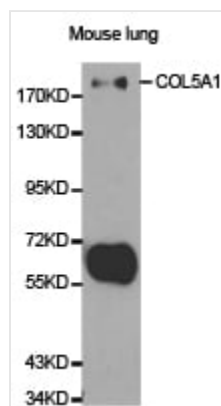
### PRODUCT SYNONYMS

COL5A1; COL5A1 Antibody; collagen; type V; alpha 1; collagen alpha-1(V) chain; anti-COL5A1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| Host                                             | Rabbit                                             |
| Reactivity                                       | Human, Mouse, Rat                                  |
| Isotype                                          | IgG                                                |
| Purity/Purification                              | Affinity purification                              |
| Sequence Length                                  | 1838                                               |
| Applicable Applications for anti-COL5A1 antibody | IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                        | A synthetic peptide of human COL5A1                |
| Storage Buffer                                   | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.  |
| Cross Reactivity                                 | Human, Mouse, Rat                                  |
| Preparation and Storage                          | Store at -20°C or -80°C. Avoid freeze/thaw cycles. |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts of mouse lung cell line, using COL5A1 antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL5A1 antibody | The extensive family of COL gene products (collagens) is composed of several chain types, including fibril-forming interstitial collagens (types I, II, III and V) and basement membrane collagens (type IV), each type containing multiple isoforms. Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Several collagens also play a role in cell adhesion, important for maintaining normal tissue architecture and function. |
| Product Categories/Family for anti-COL5A1 antibody   | <a href="#">Autophagy antibody</a> ; <a href="#">Cancer</a> ; <a href="#">Cardiovascular</a> ; <a href="#">Cell Biology</a> ; <a href="#">Epigenetics &amp; Nuclear Signaling</a> ; <a href="#">Developmental Biologys</a> ; <a href="#">Immunology</a> ; <a href="#">Drug Discovery Products</a> ; <a href="#">Metabolism</a> ; <a href="#">Neuroscience</a> ; <a href="#">Signal Transduction</a> ; <a href="#">Stem Cells</a>                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 89276751                                                                 |
| NCBI GeneID                      | 1289                                                                     |
| NCBI Accession #                 | <a href="#">NP_000084.3</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000093.4</a>                                              |
| UniProt Accession #              | <a href="#">P20908</a> ; <a href="#">Q15094</a> ; <a href="#">Q5SUX4</a> |
| Molecular Weight                 | Calculated: 184kDa                                                       |
| 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                | <b>COL5A1</b>                                                            |

**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.