

## Rabbit anti-Human, Mouse COL6A1 Polyclonal Antibody | anti-COL6A1 antibody

COL6A1 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA311697 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

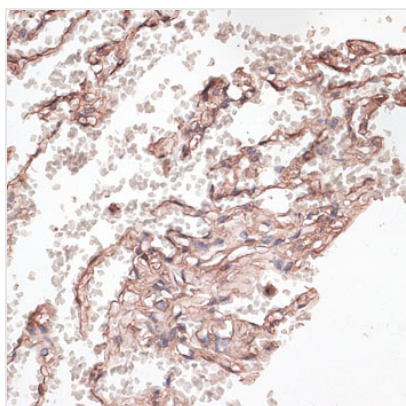
### PRODUCT SYNONYMS

COL6A1; Polyclonal Antibody; COL6A1 Polyclonal Antibody; BTHLM1; OPLL; UCHMD1; collagen alpha-1 (VI) chain; anti-COL6A1 antibody

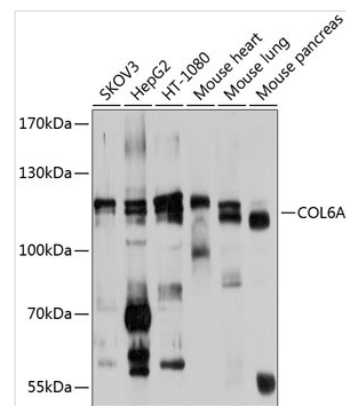
### PRODUCT SPECIFICATIONS

|                                                  |                                                           |
|--------------------------------------------------|-----------------------------------------------------------|
| Host                                             | Rabbit                                                    |
| Reactivity                                       | Human, Mouse                                              |
| Clonality                                        | Polyclonal                                                |
| Isotype                                          | IgG                                                       |
| Purity/Purification                              | Affinity purification                                     |
| Form/Format                                      | PBS with 50% glycerol, pH7.4                              |
| Applicable Applications for anti-COL6A1 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                        | Recombinant fusion protein of human COL6A1 (NP_001839.2). |
| Conjugation                                      | Unconjugated                                              |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human lung using COL6A1 antibody.


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using COL6A1 antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-COL6A1 antibody | The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1 (VI), alpha2 (VI), and alpha3 (VI) chains. The alpha2 (VI) and alpha3 (VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1 (VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy. |
| Product Categories/Family for anti-COL6A1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 87196339                                                                                                             |
| NCBI GeneID                      | 1291                                                                                                                 |
| NCBI Accession #                 | NP_001839.2                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_001848.2                                                                                                          |
| UniProt Accession #              | P12109; O00117; O00118; Q14040; Q14041; Q16258; Q7Z645; Q9BSA8                                                       |
| Molecular Weight                 | 108,529 Da                                                                                                           |
| NCBI Official Full Name          | collagen alpha-1(VI) chain                                                                                           |
| NCBI Official Synonym Full Names | collagen, type VI, alpha 1                                                                                           |
| NCBI Official Symbol             | COL6A1                                                                                                               |
| NCBI Official Synonym Symbols    | OPLL                                                                                                                 |
| NCBI Protein Information         | collagen alpha-1(VI) chain; collagen alpha-1(VI) chain; alpha 1 (VI) chain (61 AA); collagen VI, alpha-1 polypeptide |
| UniProt Protein Name             | Collagen alpha-1(VI) chain                                                                                           |
| UniProt Gene Name                | COL6A1                                                                                                               |
| UniProt Entry Name               | CO6A1_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://stage.aaabiotech.com/polyclonal/col6a1-antibody-immunohistochemistry-western-blot-elisa/311697>