

## Mouse Collagen Type I A1 Monoclonal Antibody | anti-COL1A1 antibody

Collagen Type I A1 (ABT162) Antibody

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                                  |
|-----------|-------|-------------------|---------------------------------------------------------------|
| AAA320716 | Mouse | Human, Mouse, Rat | ELISA, Immunofluorescence, Western Blot, Immunohistochemistry |

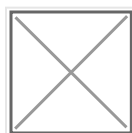
### PRODUCT SYNONYMS

Collagen Type I A1; Monoclonal Antibody; Collagen Type I A1 (ABT162) Antibody; Collagen I Alpha1 (Cleaved-Ala1218); Alpha 1 collagen type I; Alpha 1 type I collagen; Alpha 1 type I procollagen; Alpha 1(I) collagen; Alpha 1(I) procollagen; Alpha-1 type I collagen; CO1A1\_HUMAN; COL1A1; Collagen alpha 1(I) chain; Collagen alpha-1(I) chain; Collagen I alpha 1 polypeptide; Collagen of skin tendon and bone alpha 1 chain?Collagen type I alpha 1; anti-COL1A1 antibody

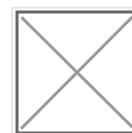
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                            |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                      |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                          |
| Clonality                                        | Monoclonal                                                                                                                                                                                 |
| Isotype                                          | Mouse IgG2b, kappa                                                                                                                                                                         |
| Clone Number                                     | ABT162                                                                                                                                                                                     |
| Specificity                                      | The antibody can specifically recognize human Collagen Type I alpha 1 protein, can not recognize Collagen Type I alpha 2, collagen types II, III, IV and V do not respond to the antibody. |
| Purity/Purification                              | Protein G                                                                                                                                                                                  |
| Form/Format                                      | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA                                                                                                                                             |
| Applicable Applications for anti-COL1A1 antibody | ELISA, IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)                                                                                                              |
| Preparation and Storage                          | Store at -20 degree C/1 year                                                                                                                                                               |

### IMAGES



Application Data



Application Data



#### SDS-PAGE

PC-12 whole cell lysates were separated by 8% SDS-PAGE, and the membrane was blotted with anti-Collagen alpha-1(I) chain(ABT162) antibody. The HRP-conjugated Goat anti-M

### ADDITIONAL INFORMATION

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Product Categories/Family for anti-COL1A1 antibody | Primary Antibodies |
|----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 296439504                                                                                                                                                                                                                            |
| NCBI GeneID                      | 1277                                                                                                                                                                                                                                 |
| UniProt Accession #              | P02452; O76045; P78441; Q13896; Q13902; Q13903; Q14037; Q14992; Q15176; Q15201; Q16050; Q59F64                                                                                                                                       |
| Molecular Weight                 | 138,941 Da                                                                                                                                                                                                                           |
| NCBI Official Full Name          | Collagen alpha-1(I) chain                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | collagen, type I, alpha 1                                                                                                                                                                                                            |
| NCBI Official Symbol             | COL1A1                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | OI4                                                                                                                                                                                                                                  |
| NCBI Protein Information         | collagen alpha-1(I) chain; collagen alpha-1(I) chain; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain |
| UniProt Protein Name             | Collagen alpha-1(I) chain                                                                                                                                                                                                            |
| UniProt Gene Name                | COL1A1                                                                                                                                                                                                                               |
| UniProt Entry Name               | CO1A1_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-type-i-a1-antibody-clone-abt162-immunofluorescence-western-blot-immunohistochemistry-elisa/320716>