

## ARG20793 anti-Collagen VI antibody (Biotin), pre-adsorbed

Package: 100 µg  
Store at: 4°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Biotin-conjugated Goat Polyclonal antibody recognizes Collagen VI  |
| Tested Reactivity   | Hu, Ms, Rat, Pig   |
| Tested Application  | ELISA, EM, ICC/IF, IHC-Fr, IHC-P, WB   |
| Specificity         | The antibody reacts with conformational determinants on type VI collagen. The antibody is pre-adsorbed with Collagen types I, II, III, IV and V, so the antibody may not react with Collagen types I, II, III, IV and V. |
| Host                | Goat   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | Collagen VI  |
| Species             | Human  |
| Immunogen           | Collagen VI  |
| Conjugation         | Biotin   |
| Alternate Names     | OPLL; Collagen alpha-1(VI) chain   |

### Application Instructions

| Pre Adsorbed      | Collagen types I, II, III, IV and V.  |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
|-------------------|---|--|-------------|----------|-------|-----------------|----|-----------------|--------|-----------------|--------|-----------------|-------|-----------------|----|-----------------|
| Application table | <table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>ELISA</td><td>1:1000 - 1:4000</td></tr><tr><td>EM</td><td>Assay-dependent</td></tr><tr><td>ICC/IF</td><td>Assay-dependent</td></tr><tr><td>IHC-Fr</td><td>Assay-dependent</td></tr><tr><td>IHC-P</td><td>Assay-dependent</td></tr><tr><td>WB</td><td>Assay-dependent</td></tr></tbody></table> |  | Application | Dilution | ELISA | 1:1000 - 1:4000 | EM | Assay-dependent | ICC/IF | Assay-dependent | IHC-Fr | Assay-dependent | IHC-P | Assay-dependent | WB | Assay-dependent |
| Application       | Dilution  |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| ELISA             | 1:1000 - 1:4000   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| EM                | Assay-dependent   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| ICC/IF            | Assay-dependent   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| IHC-Fr            | Assay-dependent   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| IHC-P             | Assay-dependent   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| WB                | Assay-dependent   |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.  |  |             |          |       |                 |    |                 |        |                 |        |                 |       |                 |    |                 |

### Properties

|              |                                       |
|--------------|---------------------------------------|
| Form         | Liquid                                |
| Purification | Affinity purification with immunogen. |
| Buffer       | PBS and 0.1% Sodium azide.            |

|                     |  |
|---------------------|--|
| Preservative        | 0.1% Sodium azide  |
| Concentration       | 0.4 mg/ml  |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

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|----------------|---|
| Database links | <a href="#">GeneID: 12833 Mouse</a><br><a href="#">GeneID: 1291 Human</a><br><a href="#">Swiss-port # P12109 Human</a><br><a href="#">Swiss-port # Q04857 Mouse</a>   |
| Gene Symbol    | COL6A1  |
| Gene Full Name | collagen, type VI, alpha 1  |
| Background     | 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. [provided by RefSeq, Jul 2008] |
| Function       | Collagen VI acts as a cell-binding protein. [UniProt]   |
| Calculated Mw  | 109 kDa   |
| PTM            | Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.  |