

ARG20792 anti-Collagen VI antibody, pre-adsorbed

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | 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 | Un-conjugated |
| Alternate Names | OPLL; Collagen alpha-1(VI) chain |

Application Instructions

Pre Adsorbed Collagen types I, II, III, IV and V.

Application table

| Application | Dilution |
|-------------|-----------------|
| ELISA | Assay-dependent |
| 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

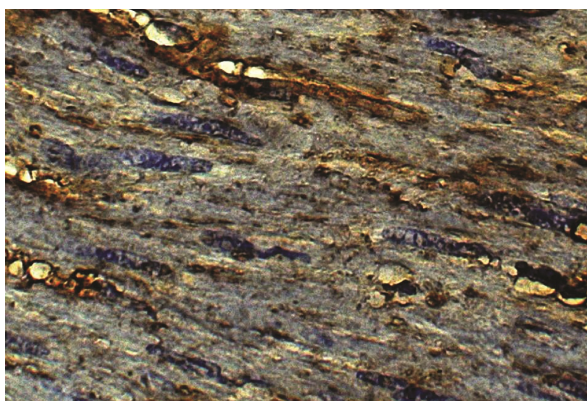
| | |
|--------------|---------------------------------------|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | BBS (pH 8.2) |

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|---------------------|---|
| Concentration | 0.4 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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

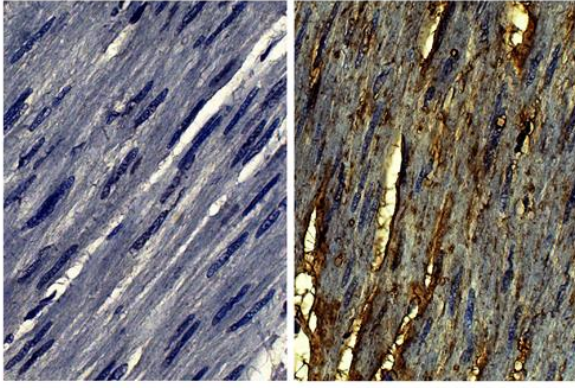
| | |
|----------------|---|
| Database links | GeneID: 12833 Mouse GeneID: 1291 Human Swiss-port # P12109 Human Swiss-port # Q04857 Mouse |
| Gene Symbol | COL6A1 |
| Gene Full Name | collagen, type VI, alpha 1 |
| Background | The collagens are a superfamily of proteins that play a role in maintaining 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. |

Images



ARG20792 anti-Collagen VI antibody, pre-adsorbed IHC-Fr image

Immunohistochemistry: Human kidney cancer tissue stained with [ARG20792](#) anti-Collagen VI antibody (pre-adsorbed) followed by [ARG21775](#) Pig anti-Goat IgG (H+L) antibody (Biotin) (pre-adsorbed) and streptavidin-HRP.



ARG20792 anti-Collagen VI antibody (pre-adsorbed) IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with [ARG23772](#) Goat IgG Isotype Control antibody (left) and ARG20792 anti-Collagen VI antibody (pre-adsorbed) (right), followed by [ARG21775](#) Pig anti-Goat IgG (H+L) antibody (Biotin) (pre-adsorbed), [ARG23912](#) Streptavidin (HRP), DAB and hematoxylin.