

Anti-Collagen Type IV COL4A4 Antibody Biotin Conjugated

Catalog Number: B02908

About COL4A1-COL4A6

Anti-Collagen Type IV detects collagen. Type-IV collagen is a type of collagen found primarily in the basal lamina. It is the major structural element of basal membranes. Anti-Collagen Type IV antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.

Overview

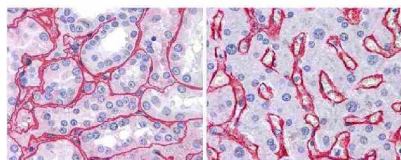
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| Product Name | Anti-Collagen Type IV COL4A4 Antibody Biotin Conjugated |
| Reactive Species | Bovine, Human |
| Description | Boster Bio Anti-Collagen Type IV COL4A4 Antibody Biotin Conjugated (Catalog # B02908). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Bovine. |
| Conjugate | Biotin |
| Application | ELISA, IHC, WB |
| Clonality | Polyclonal |
| Formulation | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Sodium Azide |
| Storage Instructions | Store vial at 4°C prior to restoration. Restore with 0.1 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of restoration. Expiration date is one (1) year from date of opening. (Ship on dry ice.) |
| Host | Rabbit |
| Uniprot ID | P02462 |

Technical Details

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| Immunogen | Anti-Collagen Type IV was produced by repeated immunizations with Collagen Type IV from human and bovine placenta. |
| Predicted Reactive Species | Bovine, Mammalian |
| Cross Reactivity | No cross reactivity with other proteins. |
| Isotype | IgG |
| Form | Lyophilized |

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| Concentration | 1.0 mg/mL by UV absorbance at 280 nm |
| Purification | Anti-Collagen Type IV has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities. Some class-specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues. This antibody reacts with most mammalian Type IV collagens and has negligible cross-reactivity with Type I, II, III, V and VI collagens. Non-specific cross-reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins is negligible. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:20,000 - 1:100,000</p> <p>IHC: 1:1,000 - 1:5,000</p> <p>IP: 1:100</p> <p>WB: 1:2,000 - 1:10,000</p> |

Anti-Collagen Type IV COL4A4 Antibody Biotin Conjugated (B02908) Images



Collagen IV was detected in paraffin-embedded sections of human kidney tissue (Left) and human liver tissue (Right) using rabbit anti-Collagen Type IV biotin conjugated polyclonal antibody (Catalog # B02908) at 10

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