

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

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, IP, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, antibody formulated with stabilizing protein (10 mg/mL) - Immunoglobulin and Protease free, 0.01% (w/v) Sodium Azide This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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 at ambient temperature.)
Host	Rabbit
Uniprot ID	P02462

Technical Details

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
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	ELISA: 1:20,000 - 1:100,000 IHC: 1:1,000 - 1:5,000 IP: 1:100 WB: 1:2,000 - 1:10,000 Anti-Collagen Type IV is suitable for western blotting, IHC and for ELISA. Researchers should determine optimal titers for applications that are not stated below.

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