

## Product Datasheet

### COL4A1-COL4A6 Antibody (FITC) (orb345834)

<b>Catalog Number</b>	orb345834
<b>Category</b>	Antibodies
<b>Description</b>	Collagen IV antibody (FITC)
<b>Target</b>	COL4A1-COL4A6
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	FITC
<b>Reactivity</b>	Bovine, Human
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	1 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

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<b>Purity</b>	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. Typically negligible cross-reactivity against other types of collagens was detected by ELISA against purified standards. 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.
<b>Immunogen</b>	Anti-Collagen Type IV was produced by repeated immunizations with Collagen Type IV from human and bovine placenta.
<b>UniProt ID</b>	<b>P02462</b>
<b>Tested applications</b>	ELISA, IHC, IP, WB
<b>Dilution range</b>	ELISA: 1:20,000 - 1:100,000, IHC: 1:1,000 - 1:5,000, IP: 1:100, WB: 1:2,000 - 1:10,000
<b>Application notes</b>	Anti-Collagen Type IV Fluorescein Conjugated Antibody is suitable for western blotting, IHC and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Store vial at 4° C prior to restoration. Restore with 0.05 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.
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_001290039.1</b>

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**Expiration Date**

12 months from date of receipt.

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