

Rabbit anti-Human Collagen Type IV Monoclonal Antibody

Collagen Type IV (RBT-COL4)

CATALOG # AAA59414	HOST Rabbit	REACTIVITY Human
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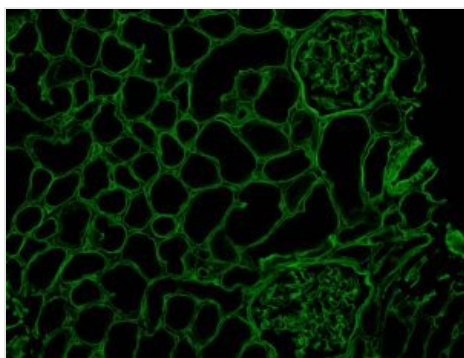
PRODUCT SYNONYMS

Collagen Type IV; Monoclonal Antibody; Collagen Type IV (RBT-COL4); collagen iv; collagen 4; anti-collagen; collagen-iv; collagen-4; anti-collagen-iv; anti-collagen-4; anti-Collagen Type IV antibody

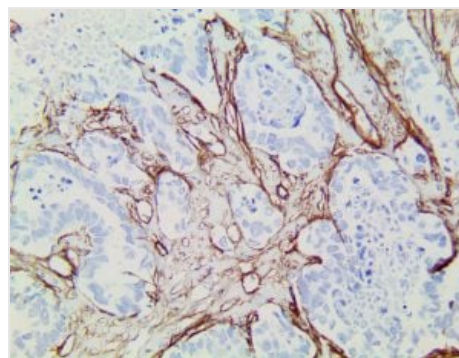
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RBT-COL4
Form/Format	Paraffin, Frozen Collagen IV is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Purified human placental extract.
Control	Muscle, Lung, Breast, Placenta, Testis, Transitional Cell Carcinoma, T Cell Lymphoblastic Lymphoma
Localization	Cytoplasmic, Membranous
Product Note	Collagen Type IV antibody requires the use of ImmunoDNA Digestor or similar Proteinase K based product as antigen retriever.
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)
Collagen IV Antibody Immunofluorescence on a FFPE Kidney Tissue



IHC (Immunohistochemistry)
Collagen IV Antibody Immunohistochemistry on an FFPE Lung Adenocarcinoma Tissue

Antibody Type	Dilution	Volume/QT
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-Collagen Type IV antibody

Collagen is the main protein of connective tissue in animals and the most abundant protein in mammals, making up about 25% of the total protein content. Collagen IV is a major constituent of the basement membranes, along with laminins and enactins. It is composed of the alpha 1 IV chain and alpha 2 IV chain in a 2:1 ratio. It can form insoluble fibers with high tensile strength.

Normal tissue immunostained with this Collagen IV antibody is consistent with the sites of mesenchymal elements and epithelial basal laminae. Collagen IV antibody is useful in detecting the loss of parts of basement membrane in carcinomas. Collagen IV can also be useful in the classification of soft tissue tumors; schwannomas, leiomyomas, and their well-differentiated malignant counterparts usually immunoreact to this antibody. The vascular nature of neoplasms, hemangiopericytoma, angiosarcoma and epithelioid hemangioendothelioma can be observed with this antibody.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/collagen-type-iv-antibody-clone-rbt-col4-elisa/59414>