

Mouse anti-Human Collagen IV Monoclonal Antibody | anti-COL4A antibody

Collagen IV Recombinant Mouse Monoclonal Antibody [Clone rCOL4/4742]

CATALOG # AAA215560	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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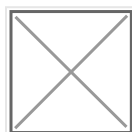
PRODUCT SYNONYMS

Collagen IV; Monoclonal Antibody; Collagen IV Recombinant Mouse Monoclonal Antibody [Clone rCOL4/4742]; Arresten; BSVD; COL4A1; COL4A1 NC1 domain; COL4A2; COL4A3; COL4A4; COL4A5; collagen alpha-1(IV) chain; Collagen IV Alpha 1 Polypeptide; Collagen IV Alpha 2 Polypeptide; Collagen Type IV Alpha 2; Collagen Type IV Alpha 3; Collagen Type IV Alpha 4; Collagen Type IV Alpha 5; RATOR; anti-COL4A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	rCOL4/4742
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-COL4A antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Purified human placental extract
Cellular Localization	Secreted, Extracellular matrix
Positive Control	Human placenta or tonsil.
Hu-chromosome Location	13q34 (COL4A1 & COL4A2); 2q36.3 (COL4A3 & COL4A4); Xq22.3 (COL4A5)
Unigene	17441
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human kidney stained with Collagen IV Recombinant Mouse Monoclonal Antibody (rCOL4/4742)

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A antibody	Collagen Type IV is a major component of the basement membrane and plays an important role in cell adhesion, migration, differentiation and growth. Collagen Type IV express at the basement membranes in a variety of tissues including kidney, muscle, lymph nodes, lung, tendon and spleen. Collagen Type IV has been shown to be useful in differentiating microinvasive from in situ ductal carcinomas of the breast. Other Collagen Type IV studies include use in pancreatic adenocarcinoma and chronic pancreatitis, nephrosclerosis and other kidney diseases, oral squamous cell carcinoma, laryngeal cancers, ovarian cancers and cervical cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148536825
NCBI GeneID	1282
NCBI Accession #	NP_001836.2
NCBI GenBank Nucleotide #	NM_001845.4
UniProt Accession #	P02462; P08572; P29400; P53420
Molecular Weight	160,615 Da
NCBI Official Full Name	collagen alpha-1(IV) chain preproprotein
NCBI Official Synonym Full Names	collagen, type IV, alpha 1
NCBI Official Symbol	COL4A1
NCBI Official Synonym Symbols	ICH; HANAC; POREN1; arresten
NCBI Protein Information	collagen alpha-1(IV) chain; collagen alpha-1(IV) chain; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	COL4A1
UniProt Entry Name	CO4A1_HUMAN

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-iv-antibody-clone-rcol4-4742-immunohistochemistry-elisa/215560>