

Rabbit anti-Human Collagen IV Polyclonal Antibody | anti-COL4A1 antibody

Anti-Collagen IV Antibody

CATALOG # AAA45744	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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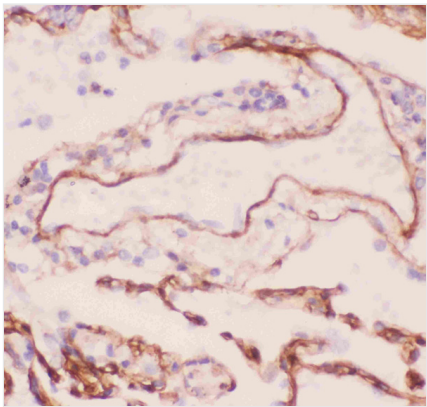
PRODUCT SYNONYMS

Collagen IV; Polyclonal Antibody; Anti-Collagen IV Antibody; Collagen alpha-1(IV) chain; collagen; type IV; alpha 1; Arresten antibody; Canstatin antibody; CO4A1_HUMAN antibody; COL4A1 antibody; COL4A1 NC1 domain antibody; COL4A2 antibody; COL4A3 antibody; COL4A4 antibody; COL4A5 antibody; Collagen Alpha 1(IV) Chain antibody; Collagen Alpha 2(IV) Chain antibody; collagen alpha-1(IV) chain antibody; Collagen IV Alpha 1 Polypeptide antibody; Collagen IV Alpha 2 Polypeptide antibody; Collagen Of Basement Membrane Alpha 1 Chain antibody; Collagen Of Basement Membrane Alpha 2 Chain antibody; Collagen Type IV Alpha 1 antibody; Collagen Type IV Alpha 2 antibody; Collagen Type IV Alpha 3 antibody; Collagen Type IV Alpha 4 antibody; Collagen Type IV Alpha 5 antibody; DKFZp686l14213 antibody; FLJ22259 antibody; anti-COL4A1 antibody

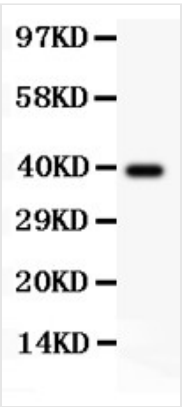
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1669
Applicable Applications for anti-COL4A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Collagen IV recombinant protein (Position: G1445-T1669). Human Collagen IV shares 97% amino acid (aa) sequence identity with mouse Collagen IV.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Collagen IV Picoband antibody, AAA45744-2.JPGIHC(P): Human Lung Cancer Tissue



Application Data
Anti-Collagen IV Picoband antibody, AAA45744-1.jpgAll lanes: Anti Collagen IV (AAA45744) at 0.5ug/mlWB: Recombinant Human Collagen IV Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A1 antibody	Description: Rabbit IgG polyclonal antibody for Collagen alpha-1(IV) chain(COL4A1) detection. Tested with WB, IHC-P in Human. Background: COL4A1, also known as ICH or Collagen alpha-1(IV), is a protein that in humans is encoded by the COL4A1 gene. It is mapped to 13q34. This gene encodes the major type IV alpha collagen chain of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. COL4A1 binds to alpha-1/beta-1 integrin and inhibits migration, proliferation, and tube formation by endothelial cells. It is also a potential therapeutic candidate for targeting tumor angiogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125987809
NCBI GeneID	1282
UniProt Accession #	P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70
Molecular Weight	127,981 Da
NCBI Official Full Name	Collagen alpha-1(IV) chain
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.