

Rabbit COL4A3 Polyclonal Antibody | anti-COL4A3 antibody

COL4A3 Rabbit pAb

CATALOG # AAA281650	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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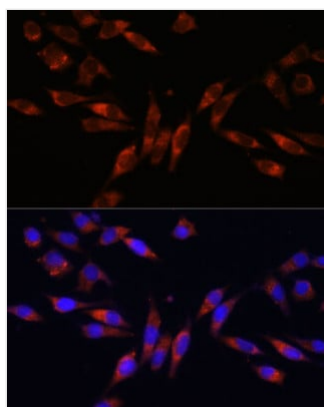
PRODUCT SYNONYMS

COL4A3; Polyclonal Antibody; COL4A3 Rabbit pAb; anti-COL4A3 antibody

PRODUCT SPECIFICATIONS

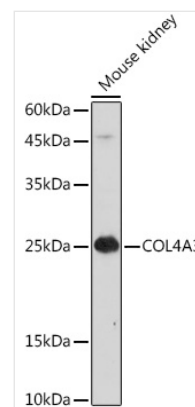
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	SPGSCLEEF R ASPFLECHGR GTCNYYSNSY SFWLASLNPE RMFRKPIST VKAGELEKII SRCQVCMKKR H
Applicable Applications for anti-COL4A3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1600 to the C-terminus of human COL4A3 (NP_000082.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



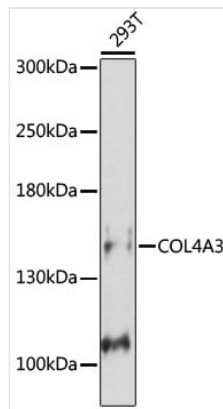
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using COL4A3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Mouse kidney, using COL4A3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of 293T cells, using COL4A3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A3 antibody	Background: Type IV collagen, the major structural component of basement membranes, is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. This gene encodes alpha 3. In the Goodpasture syndrome, autoantibodies bind to the collagen molecules in the basement membranes of alveoli and glomeruli. The epitopes that elicit these autoantibodies are localized largely to the non-collagenous C-terminal domain of the protein. A specific kinase phosphorylates amino acids in this same C-terminal region and the expression of this kinase is upregulated during pathogenesis. This gene is also linked to an autosomal recessive form of Alport syndrome. The mutations contributing to this syndrome are also located within the exons that encode this C-terminal region. 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.
Product Categories/Family for anti-COL4A3 antibody	Cancer ; Invasion and Metastasis ; Research ; Cell Biology & Developmental Biology ; Extracellular Matrix ; Collagen ; Research ; Cardiovascular ; Angiogenesis ; Angiogenic inhibitory factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	89142730
NCBI GeneID	1285
NCBI Accession #	NP_000082.2
NCBI GenBank Nucleotide #	NM_000091.4
UniProt Accession #	Q01955 ; Q53QQ1 ; Q53R14 ; Q53RW8 ; Q9BQT2 ; Q9NYC4 ; Q9UDJ9 ; Q9UDK9 ; Q9UDL0 ; Q9UDL1
Molecular Weight	Observed MW: 162 kDa/26 kDa Calculated MW: 135 kDa/142 kDa/158 kDa/ 161 kDa
NCBI Official Full Name	collagen alpha-3(IV) chain
NCBI Official Synonym Full Names	collagen, type IV, alpha 3 (Goodpasture antigen)
NCBI Official Symbol	COL4A3
NCBI Protein Information	collagen alpha-3(IV) chain; collagen alpha-3(IV) chain; tumstatin; collagen IV, alpha-3 polypeptide
UniProt Protein Name	Collagen alpha-3(IV) chain
UniProt Gene Name	COL4A3
UniProt Entry Name	CO4A3_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://www.aaabiotech.com/polyclonal/col4a3-antibody-immunofluorescence-western-blot-elisa/281650>