

Rabbit Col18a1 Polyclonal Antibody | anti-Col18a1 antibody

Anti-Col18a1 Antibody, Rabbit Polyclonal

CATALOG # AAA256595	HOST Rabbit	APPLICATIONS Immunoprecipitation, Western Blot
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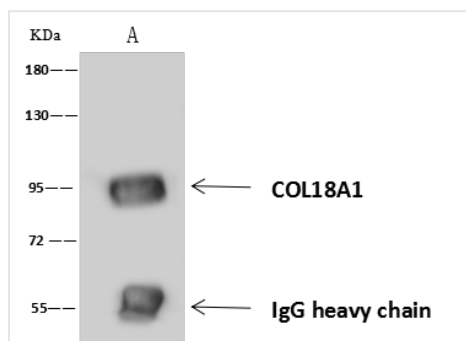
PRODUCT SYNONYMS

Col18a1; Polyclonal Antibody; Anti-Col18a1 Antibody; Rabbit Polyclonal; Col18a1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-KNO Antibody; Anti-KNO1 Antibody; Anti-KS Antibody; anti-Col18a1 antibody

PRODUCT SPECIFICATIONS

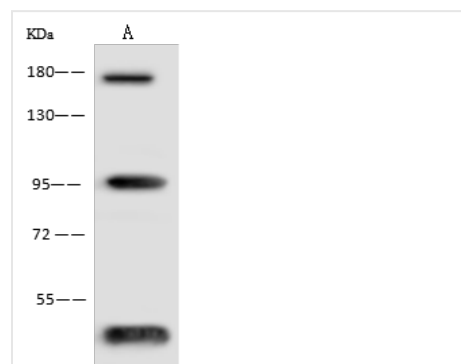
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Col18a1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Col18a1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human Col18a1 fragment
Preparation	Produced in rabbits immunized with E Coli-derived Human Col18a1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

COL18A1 was immunoprecipitated using: Lane A: 0.5 mg U-251 MG Whole Cell Lysate 4 uL anti-COL18A1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-COL18A1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa. Observed band size: 95 kDa.



WB (Western Blot)

Anti-COL18A1 rabbit polyclonal antibody at 1:500 dilution. Lane A: U-251 MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 178 kDa. Observed band size: 178 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Col18a1 antibody	COL18A1 encodes the precursor of endostatin, which is a broad-spectrum angiogenesis inhibitor. COL18A1 gene (chr21q22.3) comprises 43 exons and transcribes three different isoforms by the use of two promoters and alternative splicing in the third exon. The short isoform (NC11-303) is transcribed from the first promoter, upstream of exon 1, and is encoded by exons 1, 2, 4-43. The intermediate (NC11-493) and long (NC11-728) forms are transcribed from the second promoter, upstream of exon 3, and they differ by use of an internal splice site within exon 3. Collagen XVIII is a component of basement membranes; however, the abundance of its isoforms varies: the short isoform is predominant in most tissues, including heart, kidney, retina, and fetal brain, while the intermediate and long isoforms are highly expressed in the liver. The C-terminal domain of type XVIII collagen can be cleaved to form endostatin, which functions as a potent angiogenesis inhibitor that influences endothelial cell proliferation, migration, apoptosis and tubulogenesis. Endostatin binds to several extracellular matrix (ECM) components, including laminin-1, fibulin-1, fibulin-2, nidogen-2, perlecan, heparan sulfate, and fibronectin.
References	Suzuki O, et al. (2009) Novel pathogenic mutations and skin biopsy analysis in knobloch syndrome. Mol Vis 15 801-809.

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/col18a1-antibody-immunoprecipitation-western-blot-elisa/256595>