

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

COL4A1 Antibody (N-term)

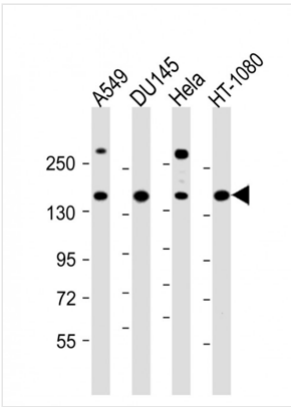
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289431	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

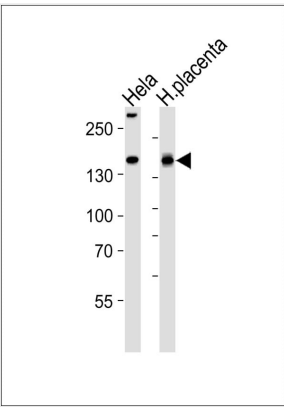
COL4A1; Polyclonal Antibody; COL4A1 Antibody (N-term); Collagen alpha-1(IV) chain; Arresten; anti-COL4A1 antibody

PRODUCT SPECIFICATIONS

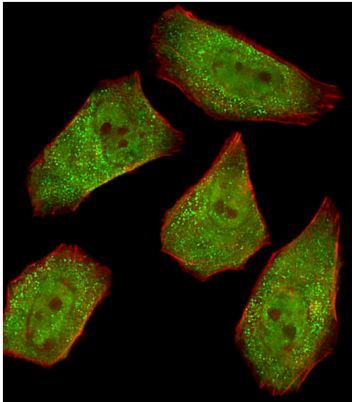
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COL4A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-54 amino acids from the N-terminal region of human COL4A1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	27-54
Sequence Length	1,318
Applicable Applications for anti-COL4A1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Cellular Location	Secreted, extracellular space, extracellularmatrix, basement membrane {ECO:0000250 UniProtKB:P02463}
Tissue Location	Highly expressed in placenta.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-COL4A1 Antibody (N-term) at 1:1000 dilution Lane 1: A549 whole cell lysate Lane 2: DU145 whole cell lysate Lane3: HeLa whole cell lysate Lane 4: HT-1080 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG,(H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 161 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
Western blot analysis of lysates from HeLa cell line and human placenta tissue lysate(from left to right), using COL4A1 Antibody (N-term). AAA289431 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IF (Immunofluorescence)
Fluorescent image of U251 cells stained with COL4A1 Antibody (N-term). AAA289431 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A1 antibody	COL4A1 is 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.
Product Categories/Family for anti-COL4A1 antibody	Crown Antibodies; Cancer; Signal Transduction
References	de Vries,L.S., Ann. Neurol. 65 (1), 12-18 (2009) Mazouni,C., Br. J. Cancer 99 (1), 68-71 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148536825
NCBI GeneID	1282
NCBI Accession #	NP_001836.2
NCBI GenBank Nucleotide #	NM_001845.4

UniProt Accession #	P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70
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	BSVD; RATOR
NCBI Protein Information	collagen alpha-1(IV) 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/col4a1-antibody-immunofluorescence-western-blot-elisa/289431>