

Rabbit anti-Human, mouse COL18A1 Polyclonal Antibody | anti-COL18A1 antibody

COL18A1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285987	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

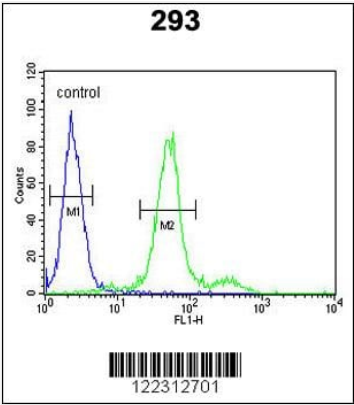
PRODUCT SYNONYMS

COL18A1; Polyclonal Antibody; COL18A1 Antibody (N-term); Collagen alpha-1(XVIII) chain; Endostatin; anti-COL18A1 antibody

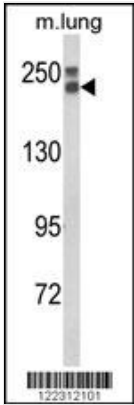
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COL18A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-263 amino acids from the N-terminal region of human COL18A1.
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.
Concentration	Vial Concentration: 0.47 (varies by lot)
Sequence Positions	237-263
Sequence Length	1516
Applicable Applications for anti-COL18A1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
COL18A1 Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of COL18A1 Antibody (N-term) in mouse lung tissue lysates (35ug/lane). COL18A1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-COL18A1 antibody	COL18A1 is encoding the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein.
Product Categories/Family for anti-COL18A1 antibody	Cancer; Cardiovascular; Signal transduction
References	Fu,Y.,et.al., Biochemistry 48 (49), 11655-11663 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611235
NCBI GeneID	80781
NCBI Accession #	NP_085059.2; NP_569712.2
NCBI GenBank Nucleotide #	NM_030582.3
UniProt Accession #	P39060; Q58EX6; Q6RZ39; Q6RZ40; Q6RZ41; Q8N4S4; Q8WXI5; Q96T70; Q9UK38; Q9Y6Q7; Q9Y6Q8; A8MVI4
Molecular Weight	178188
NCBI Official Full Name	collagen alpha-1(XVIII) chain isoform 1 preproprotein
NCBI Official Synonym Full Names	collagen, type XVIII, alpha 1
NCBI Official Symbol	COL18A1
NCBI Official Synonym Symbols	KS; KNO; KNO1
NCBI Protein Information	collagen alpha-1(XVIII) chain
UniProt Protein Name	Collagen alpha-1(XVIII) chain
UniProt Gene Name	COL18A1
UniProt Entry Name	COIA1_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.

