

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

COL18A1 Antibody (Center)

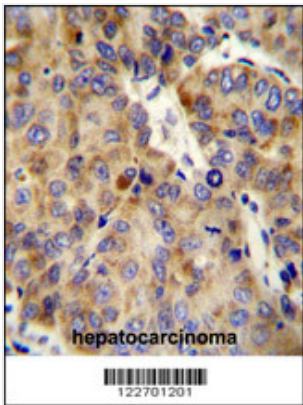
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285711	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

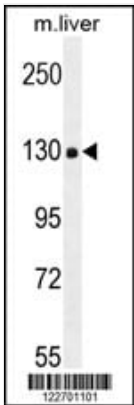
COL18A1; Polyclonal Antibody; COL18A1 Antibody (Center); Collagen alpha-1(XVIII) chain; Endostatin; anti-COL18A1 antibody

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 1311-1339 amino acids from the Central 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: 0.5 (varies by lot)
Sequence Positions	1311-1339
Sequence Length	1516
Applicable Applications for anti-COL18A1 antibody	IHC (Immunohistochemistry), 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.



IHC (Immunohiostchemistry)
COL18A1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COL18A1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
COL18A1 Antibody (Center) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the COL18A1 antibody detected the COL18A1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-COL18A1 antibody	COL18A1 is 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. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure.
Product Categories/Family for anti-COL18A1 antibody	Cancer; Cardiovascular; Signal transduction
References	Hamano, Y., et al. J. Am. Soc. Nephrol. 21(9):1445-1455(2010) Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010) Lee, K.S., et al. Tumour Biol. 31(3):165-170(2010) Faye, C., et al. Biochem. J. 427(3):467-475(2010) Polikarpova, S.B., et al. Bull. Exp. Biol. Med. 148(4):634-637(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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/col18a1-antibody-immunohistochemistry-western-blot-elisa/285711>