

Product datasheet for **AP51011PU-N**

Endostatin (COL18A1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/1000. Immunohistochemistry: 1/50-100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1311-1339 amino acids from the Central region of Human COL18A1.
Specificity:	This antibody recognizes COL18A1 Antibody (Center).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	178188 Da
Gene Name:	collagen type XVIII alpha 1 chain
Database Link:	Entrez Gene 12822 Mouse Entrez Gene 80781 Human P39060



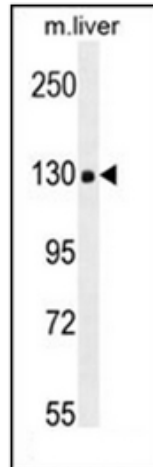
[View online »](#)

Background:

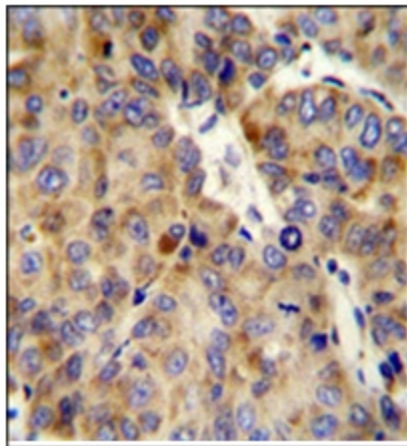
COL18A1 is the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is 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.

Synonyms:

COL18A1, Endostatin, KNO1

Product images:


Western blot analysis in mouse liver tissue lysates (35ug/lane) using COL18A1 Antibody (Center) Cat.-No AP51011PU-N. This demonstrates the COL18A1 antibody detected the COL18A1 protein (arrow).



Formalin fixed and paraffin embedded human hepatocarcinoma stained with COL18A1 Antibody (Center) Cat.-No AP51011PU-N 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.