Elabscience®

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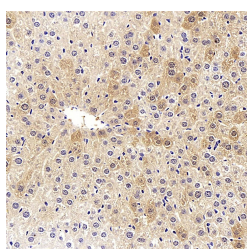## COL18A1 Polyclonal Antibody

Catalog No.	E-AB-70197	**Reactivity**	H,M
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
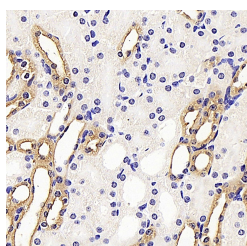
Images
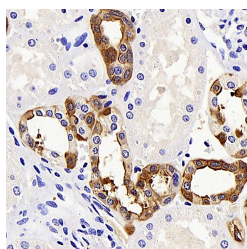
Immunohistochemistry analysis of paraffin-embedded human kidney using COL18A1 Polyclonal Antibody at dilution of 1:400.

Immunohistochemistry analysis of paraffin-embedded mouse liver using COL18A1 Polyclonal Antibody at dilution of 1:400.

Immunohistochemistry analysis of paraffin-embedded mouse kidney using COL18A1 Polyclonal Antibody at dilution of 1:400.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse Endostatin
Swissprot	P39060,P39061
Synonyms	COL18A1, Collagen alpha 1(XVIII) chain, collagen, type XVIII, alpha 1, Endostatin, FLJ27325, FLJ34914, KNO, KNO1

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:300-1:1000

Background

This gene encodes 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.