

## COL18A1 Polyclonal Antibody

catalog number: E-AB-70197

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse Endostatin
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

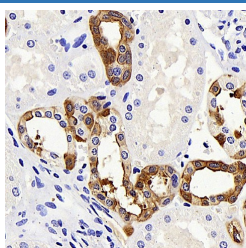
### Applications

### Recommended Dilution

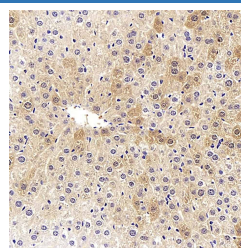
**IHC**

1:300-1:1000

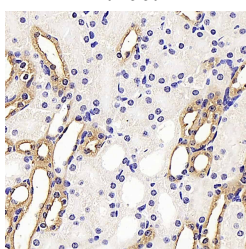
### Data



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.

### Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

Tel: 400-999-2100

Web: [www.elabscience.cn](http://www.elabscience.cn)

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Rev. V1.8

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.