

## COL18A1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 178kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human COL18A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

FLJ27325; FLJ34914; KNO; KNO1; KS; MGC74745;

**Catalog #:** A1722

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 80781

**Isotype:** IgG

**Swiss Prot:** P39060

**Purity:** Affinity purification

For research use only.

**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. [provided by RefSeq, Sep 2008]

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