

COL18A1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10706c**Specification**

COL18A1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P39060](#)

COL18A1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 80781

Other Names

Collagen alpha-1(XVIII) chain, Endostatin, COL18A1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COL18A1 Antibody (Center) Blocking peptide - Protein Information

Name COL18A1 ([HGNC:2195](#))

Function

Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, extracellular matrix, basement membrane {ECO:0000250|UniProtKB:P39061} [Endostatin]: Secreted. Secreted, extracellular space, extracellular matrix, basement membrane

Tissue Location

Detected in placenta (at protein level) (PubMed:32337544). Present in multiple organs with highest levels in liver, lung and kidney.

COL18A1 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

COL18A1 Antibody (Center) Blocking peptide - Images**COL18A1 Antibody (Center) Blocking peptide - 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.

COL18A1 Antibody (Center) Blocking peptide - 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)