

**COL8A1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17250a****Specification**

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**COL8A1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P27658](#)**COL8A1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1295**Other Names**

Collagen alpha-1(VIII) chain, Endothelial collagen, Vastatin, COL8A1, C3orf7

**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.

**COL8A1 Antibody (N-term) Blocking Peptide - Protein Information****Name** COL8A1**Synonyms** C3orf7**Function**

Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also a component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis.

**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane

**Tissue Location**

Expressed primarily in the subendothelium of large blood vessels. Also expressed in arterioles and venules in muscle, heart, kidney, spleen, umbilical cord, liver and lung and is also found in connective tissue layers around hair follicles, around nerve bundles in muscle, in the dura of the optic nerve, in cornea and sclera, and in the perichondrium of cartilaginous tissues. In the kidney, expressed in mesangial cells, glomerular endothelial cells, and tubular epithelial cells. Also expressed in mast cells, and in astrocytes during the repair process. Expressed in Descemet's

membrane. Specifically expressed in peritoneal fibroblasts and mesothelial cells

### **COL8A1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **COL8A1 Antibody (N-term) Blocking Peptide - Images**

### **COL8A1 Antibody (N-term) Blocking Peptide - Background**

This gene encodes one of the two alpha chains of type VIII collagen. The gene product is a short chain collagen and a major component of the basement membrane of the corneal endothelium. The type VIII collagen fibril can be either a homo- or a heterotrimer. Alternatively spliced transcript variants encoding the same isoform have been observed.

### **COL8A1 Antibody (N-term) Blocking Peptide - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Neale, B.M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(16):7395-7400(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)