

**Collagen 8 alpha 1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51690****Specification**

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**Collagen 8 alpha 1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P27658</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73 KDa

**Collagen 8 alpha 1 Antibody - Additional Information****Gene ID** 1295**Other Names**

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

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Collagen 8 alpha 1 Antibody - 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

### **Collagen 8 alpha 1 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Collagen 8 alpha 1 Antibody - Images**

### **Collagen 8 alpha 1 Antibody - Background**

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### **Collagen 8 alpha 1 Antibody - References**

Muragaki Y., et al. Eur. J. Biochem. 197:615-622(1991).  
Kalnine N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Kittelberger R., et al. Connect. Tissue Res. 24:303-318(1990).  
Kittelberger R., et al. Biochim. Biophys. Acta 1139:295-299(1992).