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Collagen 8 alpha 1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51690

Product Information

Application	WB
Primary Accession	P27658
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73364

Additional Information

Gene ID	1295
Other Names	Collagen alpha-1(VIII) chain, Endothelial collagen, Vastatin, COL8A1, C3orf7
Dilution	WB~~1:1000
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

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

Background

Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also 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.

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).

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