

**COL4A6 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17296c****Specification**

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**COL4A6 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q14031](#)**COL4A6 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1288**Other Names**

Collagen alpha-6(IV) chain, COL4A6

**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.

**COL4A6 Antibody (Center) Blocking Peptide - Protein Information****Name** COL4A6**Function**

Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen.

**Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane

**COL4A6 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**COL4A6 Antibody (Center) Blocking Peptide - Images****COL4A6 Antibody (Center) Blocking Peptide - Background**

This gene encodes one of the six subunits of type IV collagen, the major structural component of

basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene, alpha 5 type IV collagen, so that the gene pair shares a common promoter. Deletions in the alpha 5 gene that extend into the alpha 6 gene result in diffuse leiomyomatosis accompanying the X-linked Alport syndrome caused by the deletion in the alpha 5 gene. Two splice variants have been identified for this gene.

#### **COL4A6 Antibody (Center) Blocking Peptide - References**

Romero, R., et al. Am. J. Obstet. Gynecol. (2010) In press : Bailey, S.D., et al. Diabetes Care (2010) In press : Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Skovbjerg, H., et al. BMC Cancer 9, 136 (2009) :