

COL4A2 Antibody (N-term) Blocking peptide

Synthetic peptide

Catalog # BP11454a

Specification**COL4A2 Antibody (N-term) Blocking peptide -
Product Information**Primary Accession [P08572](#)**COL4A2 Antibody (N-term) Blocking peptide -
Additional Information**

Gene ID 1284

Other NamesCollagen alpha-2(IV) chain, Canstatin,
COL4A2**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.

**COL4A2 Antibody (N-term) Blocking peptide -
Protein Information**

Name COL4A2

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

**COL4A2 Antibody (N-term) Blocking
peptide - Background**

This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. The C-terminal portion of the protein, known as canstatin, is an inhibitor of angiogenesis and tumor growth. Like the other members of the type IV collagen gene family, this gene is organized in an ahead-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter.

**COL4A2 Antibody (N-term) Blocking
peptide - References**

Bianchini, G., et al. J. Clin. Oncol. 28(28):4316-4323(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)

COL4A2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)