10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 Names
Collagen 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 (HGNC:2203)

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 - Protocols

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

- Blocking Peptides

COL4A2 Antibody (N-term) Blocking peptide - Images

COL4A2 Antibody (N-term) Blocking peptide - Background

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

basement membranes. TheC-terminal portion of the protein, known as canstatin, is aninhibitor of angiogenesis and tumor growth. Like the other membersof the type IV collagen gene family, this gene is organized in ahead-to-head conformation with another type IV collagen gene sothat 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)