COL4A1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7369a

Specification

COL4A1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession   [P02462](#)

COL4A1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 1282

Other Names
Collagen alpha-1(IV) chain, Arresten, COL4A1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7369a was selected from the N-term region of human COL4A1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

COL4A1 Antibody (N-term) Blocking Peptide - Protein Information

Name COL4A1 ([HGNC:2202](#))

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 {ECO:0000250|UniProtKB:P02463}

Tissue Location
Highly expressed in placenta.

COL4A1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

COL4A1 Antibody (N-term) Blocking Peptide - Images

COL4A1 Antibody (N-term) Blocking Peptide - Background

COL4A1 is the major type IV alpha collagen chain 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 so that each gene pair shares a common promoter.

COL4A1 Antibody (N-term) Blocking Peptide - References

de Vries,L.S., Ann. Neurol. 65 (1), 12-18 (2009)Mazouni,C., Br. J. Cancer 99 (1), 68-71 (2008)