

COL4A6 polyclonal antibody

Catalog # PAB17240

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of COL4A6.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human COL4A6.
Sequence	C-PSPEFETETLHNKES
Host	Goat
Theoretical MW (kDa)	164
Specificity	This antibody is expected to recognize both reported isoforms (NP_001838.2; NP_378667.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — COL4A6

Entrez GeneID [1288](#)

Protein Accession# [NP_001838.2;NP_378667.1](#)

Gene Name COL4A6

Gene Alias MGC88184

Gene Description collagen, type IV, alpha 6

Omim ID [303631 308940](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000023834|OTTHUMP00000023835|collagen IV, alpha-6 polypeptide|collagen alpha 6 type IV|collagen of basement membrane, alpha-6|dJ889N15.4 (Collagen Alpha 6(IV))|type IV alpha 6 collagen

Publication Reference

- [Structure of the human type IV collagen COL4A6 gene, which is mutated in Alport syndrome-associated leiomyomatosis.](#)

Zhang X, Zhou J, Reeders ST, Tryggvason K.

Genomics 1996 May; 33(3):473.

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)

- [Small cell lung cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)