

COL4A6 rabbit monoclonal antibody

Catalog # H00001288-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COL4A6 peptide using ARM Technology.
Immunogen	A synthetic peptide of human COL4A6 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human COL4A6 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — COL4A6

Entrez GeneID [1288](#)

GeneBank Accession# [COL4A6](#)

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

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](#)