

COL4A6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17296c**Specification**

COL4A6 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q14031
Other Accession	NP_001838.2 , NP_378667.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	163807
Antigen Region	830-859

COL4A6 Antibody (Center) - Additional Information**Gene ID** 1288**Other Names**

Collagen alpha-6(IV) chain, COL4A6

Target/Specificity

This COL4A6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 830-859 amino acids from the Central region of human COL4A6.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COL4A6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COL4A6 Antibody (Center) - Protein Information**Name** COL4A6**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

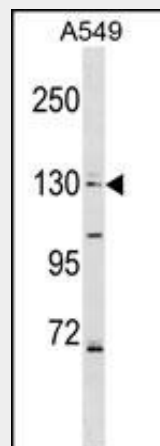
Secreted, extracellular space, extracellular matrix, basement membrane

COL4A6 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COL4A6 Antibody (Center) - Images



COL4A6 Antibody (Center) (Cat. #AP17296c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the COL4A6 antibody detected the COL4A6 protein (arrow).

COL4A6 Antibody (Center) - Background

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.

COL4A6 Antibody (Center) - References

Romero, R., et al. Am. J. Obstet. Gynecol. (2010) In press :
Bailey, S.D., et al. Diabetes Care (2010) In press :

Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Skovbjerg, H., et al. BMC Cancer 9, 136 (2009) :