

COL4A5 rabbit monoclonal antibody

Catalog # H00001287-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COL4A5 peptide using ARM Technology.
Immunogen	A synthetic peptide of human COL4A5 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 COL4A5 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 — COL4A5

Entrez GeneID	1287
GeneBank Accession#	COL4A5
Gene Name	COL4A5
Gene Alias	ASLN, ATS, CA54, MGC167109, MGC42377
Gene Description	collagen, type IV, alpha 5
Omim ID	301050 303630
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Mutations in this gene are associated with X-linked Alport syndrome, also known as hereditary nephritis. 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. Three transcript variants have been identified for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000023838 collagen IV, alpha-5 polypeptide collagen of basement membrane, alpha-5 chain dA149D17.3 dA24A23.1 type IV collagen alpha 5

Disease

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