

COL5A2 rabbit monoclonal antibody

Catalog # H00001290-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human COL5A2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human COL5A2 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 COL5A2 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 — COL5A2

Entrez GeneID	1290
GeneBank Accession#	COL5A2
Gene Name	COL5A2
Gene Alias	MGC105115
Gene Description	collagen, type V, alpha 2
Omim ID	120190 130000
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehler s-Danlos syndrome, types I and II. [provided by RefSeq]
Other Designations	AB collagen Collagen V, alpha-2 polypeptide alpha 2 type V collagen collagen, fetal membrane, A polypeptide type V procollagen alpha 2 chain

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Intervertebral Disk Displacement](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Tobacco Use Disorder](#)