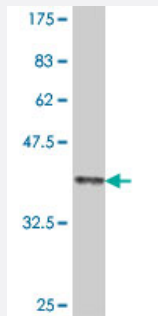


COL11A2 polyclonal antibody (A01)

Catalog # H00001302-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant COL11A2.
Immunogen	COL11A2 (NP_542411, 29 a.a. ~ 128 a.a) partial recombinant protein with GST tag.
Sequence	APPVDVLRALRFPSLPDGVRRAKGICPADVAYRVARPAQLSAPTRQLFPGGFPKDFSLLTVVRTR PGLQAPLLTLYSAQGVRQLGLELGRPVRFLYEDQT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (94)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — COL11A2

Entrez GeneID [1302](#)

GeneBank Accession# [NM_080680](#)

Protein Accession# [NP_542411](#)

Gene Name COL11A2

Gene Alias DFNA13, DFNB53, HKE5, PARP, STL3

Gene Description collagen, type XI, alpha 2

Omim ID [120290 184840 215150 277610 601868](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes one of the two alpha chains of type XI collagen, a minor fibrillar collagen. It is located on chromosome 6 very close to but separate from the gene for retinoid X receptor beta. Type XI collagen is a heterotrimer but the third alpha chain is a post-translationally modified alpha 1 type II chain. Proteolytic processing of this type XI chain produces PARP, a proline/arginine-rich protein that is an amino terminal domain. Mutations in this gene are associated with type III Stickler syndrome, otospondylomegapiphyseal dysplasia (OSMED syndrome), Weissenbacher-Zweymuller syndrome, autosomal dominant non-syndromic sensorineural type 13 deafness (DFNA13), and autosomal recessive non-syndromic sensorineural type 53 deafness (DFNB53). Alternative splicing results in multiple transcript variants. A related pseudogene is located nearby on chromosome 6. [provided by RefSeq]

Other Designations OTTHUMP00000029040|collagen alpha-2(XI) chain|collagen alpha2(XI)|pro-a2 chain of collagen type XI|pro-a2(XI)

Publication Reference

- [Novel tissue-derived biomimetic scaffold for regenerating the human nucleus pulposus.](#)

Mercuri JJ, Gill SS, Simionescu DT.

Journal of Biomedical Materials Research 2011 Feb; 96(2):422.

Application: IHC, Porcine, Nucleus pulposus

Pathway

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

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Intervertebral Disk Displacement](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)
- [Occupational Diseases](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Spinal Diseases](#)