

COL2A1 polyclonal antibody

Catalog # PAB13493

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against native COL2A1.
Immunogen	Native purified COL2A1 from human cartilage.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human collagen type II, cross-reactivity with human collagen type I, and IV < 1.0%, human collagens type III, V, IX and XI <0.1%, human fibronectin <0.1%.
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:200-1:600) Immunofluorescence (1:80) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at -20°C. Aliquot after reconstitution to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Radioimmunoassay

Gene Info — COL2A1

Entrez GeneID	1280
Gene Name	COL2A1
Gene Alias	ANFH, AOM, COL11A3, MGC131516, SEDC
Gene Description	collagen, type II, alpha 1
Omim ID	108300 120140 132450 151210 156550 165720 183900 184250 184252 200610 215150 271700 608805
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000195063 cartilage collagen chondrocalcin collagen II, alpha-1 polypeptide

Pathway

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

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cumulative Trauma Disorders](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Hip Dislocation](#)
- [Intervertebral Disk Displacement](#)
- [Legg-Perthes Disease](#)
- [Myopia](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Thrombophilia](#)
- [Toxoplasmosis](#)