

**Collagen II Antibody**  
**Rabbit pAb**  
**Catalog # AP93212****Specification****Collagen II Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">P02458</a>
Reactivity	Rat
Clonality	Polyclonal
<b>Other Names</b>	
Alpha-1 type II collagen; ANFH; AOM; cartilage collagen; Chondrocalcin; CO2A1; COL11A3; COL2A1; Collagen alpha-1(II) chain; collagen II, alpha-1 polypeptide; collagen, type II, alpha 1; MGC131516; SEDC	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	141785 Da

**Collagen II Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Collagen II
Description	COL2A1 Type II collagen is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces. Belongs to the fibrillar collagen family. Homotrimers of alpha 1(II) chains. 3 isoforms of the human protein are produced by alternative splicing
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Collagen II Antibody - Protein Information****Name** COL2A1 ([HGNC:2200](#))**Function**

Type II collagen is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive

forces.

**Cellular Location**

Secreted, extracellular space, extracellular matrix {ECO:0000255|PROSITE-ProRule:PRU00793}

**Tissue Location**

Isoform 2 is highly expressed in juvenile chondrocyte and low in fetal chondrocyte.

**Collagen II Antibody - 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](#)

**Collagen II Antibody - Images**