

Collagen II Antibody
Rabbit pAb
Catalog # AP93212**Specification**

Collagen II Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	P02458
Reactivity	Rat
Clonality	Polyclonal

Other Names

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