

# Collagen II Antibody

Rabbit pAb

Catalog # AP93212

## Product Information

<b>Application</b>	WB, IHC, IF, ICC, IHF
<b>Primary Accession</b>	<a href="#">P02458</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	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
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	141785

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Collagen II
<b>Description</b>	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
<b>Storage Condition and Buffer</b>	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.

## Protein Information

<b>Name</b>	COL2A1 ( <a href="#">HGNC:2200</a> )
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted, extracellular space, extracellular matrix {ECO:0000255   PROSITE-ProRule:PRU00793}
<b>Tissue Location</b>	Isoform 2 is highly expressed in juvenile chondrocyte and low in fetal chondrocyte.

## Images

Image not found : 202311/AP93212-wb.jpg

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.