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Collagen II Antibody

Rabbit pAb
Catalog # AP93212

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P02458
Reactivity	Rat, Human, Mouse
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

Additional Information

Dilution	WB 1:500~1:2000
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.

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.

Images

Image not found : 202311/AP93212-wb.jpg

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