



Anti-Collagen Type II polyclonal antibody (DPAB1592RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Cross-reactivity: (% @ 1:200 RIA dilution) Human collagen type II 100% Human collagen type I, IV <1.0% Human collagen types III, V, IX, XI <0.1% Human fibronectin <0.1%
Immunogen	Collagen Type II extracted and purified from human cartilage
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Ion exchange chromatography (DEAE-Trisacryl)
Conjugate	Unconjugated
Applications	Suitable for use in IFA (1:80, frozen section), immunohistochemistry (1:1,000, paraffin section), ELISA (1:200) and RIA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Lyophilized Reconstitute with 0.5ml deionized water.
Concentration	Not applicable
Size	0.5 ml
Buffer	Not applicable
Preservative	See individual product datasheet
Storage	Lyophilized: Store (up to 24 months) at -20°C. Avoid multiple freeze/thaw cycles. Reconstituted:

Aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	COL2A1 collagen, type II, alpha 1 [Homo sapiens]
Official Symbol	COL2A1
Synonyms	Alpha 1 type II collagen; Alpha-1 type II collagen; AOM; Cartilage collagen; Chondrocalcin; CO2A1_HUMAN; COL11A3; COL2A1; COL2A1 protein; Collagen alpha 1(II) chain precursor; Collagen II alpha 1 polypeptide; Collagen type II alpha 1 (primary osteoarthritis spondyloepiphyseal dysplasia congenital); MGC131516; SEDC; ANFH; collagen, type II, alpha 1; OTTHUMP00000195063; OTTHUMP00000195071
Entrez Gene ID	1280
Protein Refseq	NP_001835
UniProt ID	P02458
Chromosome Location	12q13.11
Pathway	Amoebiasis, conserved biosystem; Axon guidance, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; Focal adhesion, conserved biosystem; Integrin cell surface interactions, organism-specific biosystem; NCAM signaling for ne
Function	extracellular matrix structural constituent conferring tensile strength; identical protein binding; platelet-derived growth factor binding