



Anti-Collagen Type II polyclonal antibody (DPAB1586RB)

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

PRODUCT INFORMATION

Specificity	Cross-reactivity: (RIA) Bovine Collagen Type II 100% Bovine Collagen Type I, IX <0.1% Bovine Collagen Type XI <3.0%
Immunogen	Collagen Type II extracted and purified from bovine cartilage
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bovine
Purification	Ion exchange chromatography (DEAE-Trisacryl)
Conjugate	Unconjugated
Applications	Suitable for use in IFA, RIA, ELISA (tested). For immunostaining of extra or intracellular components in light microscopy. For the quantitation of Collagen Type II in biological fluids or in culture supernatants. In indirect IFA with fluorescent anti-rabbit IgG conjugate, use at the following dilution: 1:40 on frozen bovine articular cartilage. 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. Titer: 1:200 (RIA)
Size	0.5 ml
Buffer	Not applicable
Preservative	See individual product datasheet

Storage	Lyophilized: Store (up to 24 months) at -20°C. Reconstituted: Aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
----------------	--

GENE INFORMATION

Gene Name	COL2A1 collagen, type II, alpha 1 [Bos taurus]
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; collagen, type II, alpha 1; CB11; collagen alpha-1(II) chain; pro-alpha 1(II); cyanogen bromide; Collagen Type II
Entrez Gene ID	407142
Protein Refseq	NP_001001135
UniProt ID	P02459
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Axon guidance, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal adhesion, organism-specific b
Function	platelet-derived growth factor binding