



Anti-Collagen polyclonal antibody (DPAB1582RM)

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

PRODUCT INFORMATION

Specificity	Cross-reactivity: (RIA%) Mouse Collagen Type II 100% Mouse Collagen Type I, III, IV <0.1% Mouse fibronectin <0.1%
Immunogen	Extracted and purified from mouse fetal cartilage
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Column chromatography
Conjugate	Unconjugated
Applications	Suitable for use in immunostaining of extra or intracellular components in light microscopy. IFA: (with fluorescein anti-Rabbit IgG conjugate) > 1:80 on frozen mouse cartilage tissues. IHC(p): immunoperoxidase technique > 1:1000 on fixed, paraffin-embedded mouse tissues. ELISA: 1:100 – 1:200 (OD > 500) 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: Short-term (up to 24 months) store at 2-8°C. Long term store at -20°C.
	Reconstituted: Store (up to 6 months) at -20°C. Aliquot to avoid multiple freeze/thaw cycles

GENE INFORMATION

Gene Name	Col2a1 collagen, type II, alpha 1 [Mus musculus]
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; Col2a1; collagen, type II, alpha 1; Dmm; Col2; Del1; Col2a; Col2a-1; M100856; Rgsc856; MGC90638; collagen alpha-1(II) chain; disproportionate micromelia; procollagen, type II, alpha 1
Entrez Gene ID	12824
Protein Refseq	NP_112440
UniProt ID	P28481
Chromosome Location	15 F1; 15 54.5 cM
Pathway	Amoebiasis, conserved biosystem; Axon guidance, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Focal Adhesion, orga
Function	extracellular matrix structural constituent; platelet-derived growth factor binding