



Anti-Collagen Type I polyclonal antibody (DPAB1584RC)

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

PRODUCT INFORMATION

Specificity	Cross-reactivity: (RIA) Chicken Collagen Type I 100% Chicken Collagen Type II, III, V <0.1% Human, Bovine, Mouse, Rat Collagens, Type I <0.1% Chicken Fibronectin <0.1%
Immunogen	Chicken Type I collagen extracted and purified from chicken skin.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Chicken
Purification	Ion exchange chromatography (DEAE-Trisacryl)
Conjugate	Unconjugated
Applications	Suitable for use in IFA, IHC(p), RIA (tested) and ELISA. For immunostaining of extra or intracellular components in light microscopy. For the quantitation of Collagen Type I in biological fluids or in culture supernatants. IFA (with fluorescein anti-rabbit IgG conjugate): use diluted at >1:80 on frozen chicken tissues. IHC(p) (immunoperoxidase technique): use diluted at >1:1000 on fixed paraffin-embedded chicken tissues. ELISA: use diluted at >1:200. 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 determined Titer: 1:1000 (RIA)
Size	0.5 ml
Buffer	Not applicable

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

GENE INFORMATION

Gene Name	COL1A2 collagen, type I, alpha 2 [Gallus gallus]
Official Symbol	COL1A2
Synonyms	Alpha 1 type I collagen; Alpha 2 type I collagen; COL1A1; COL1A2; Collagen I alpha 1 polypeptide; Collagen I alpha 2 polypeptide; Collagen Of Skin Tendon And Bone; Collagen Type 1; Collagen type I alpha 1; Collagen type I alpha 2; OI4; Osteogenesis Imperfecta Type IV; Pro alpha 1(I) collagen; Type I procollagen; collagen I, alpha-2 polypeptide; collagen of skin, tendon and bone, alpha-2 chain; COL1A2; collagen, type I, alpha 2; collagen alpha-2(I) chain; alpha 2(I) collagen; alpha-2(1) collagen; alpha-2 type I collagen; collagen alpha 2(I) chain; Collagen Type I
Entrez Gene ID	396243
Protein Refseq	NP_001073182
UniProt ID	F1P0H9
Pathway	ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem.
Function	SMAD binding; extracellular matrix structural constituent; identical protein binding; platelet-derived growth factor binding; protein binding, bridging