



Anti-Collagen Type I polyclonal antibody (DPAB1594)

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

PRODUCT INFORMATION

Specificity	Cross-reactivity: (% @ RIA 1:200 dilution) Mouse Collagen Type I 100% Mouse Collagen Type III <1.0% Mouse Collagen Type II, IV <0.1% Human, Chicken, Rat Collagen Type I <0.1%
Immunogen	Mouse collagen type I extracted and purified from mouse skin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Column chromatography
Conjugate	Unconjugated
Applications	Suitable for use in IFA (1:80, frozen sections), immunohistochemistry (1:500, paraffin sections), ELISA (>1:200), and (Sp) 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 determined Titer: 1:200 (RIA)
Size	0.5 ml
Buffer	Not applicable
Preservative	See individual product datasheet
Storage	Lyophilized: Store at -20°C. Reconstituted: Aliquot and store at -20°C. Avoid multiple

BACKGROUND

Introduction

Collagens are highly conserved throughout evolution and are characterised by an uninterrupted "Glycine X Y" triplet repeat that is a necessary part of the triple helical structure. Type I collagen (95 kDa) is found in bone, cornea, skin and tendon. Mutations in the encoding gene are associated with osteogenesis imperfecta, Ehlers Danlos syndrome, and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for Platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor.

Keywords

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; Col1a1; Mov13; Cola-1; Mov-13; Col1a-1; collagen alpha-1(I) chain; OTTMUSP00000002001; alpha-1 type 1 collagen; procollagen, type I, alpha 1; Col1a2; oim; Cola2; Cola-2; Col1a-2; AA960264; A1325291; collagen alpha-2(I) chain; collagen COL1A2; osteogenesis imperfect; procollagen, type I, alpha 2; OTTMUSP000000023584; collagen of skin, tendon and bone, alpha-2 chain; collagen I, alpha-2 polypeptide; Collagen Type I; CELLAGEN(TM) BEADS; CELLAGEN(TM) SOLUTION AC-3; CELLAGEN(TM) SOLUTION AC-5; CELLAGEN(TM) SOLUTION EMEM; CollagenTypeIII; CollagenTypeVII; CollagenTypeVI; Recombinant Human Like Collagen; chicken Collagen II; C00211; fish collagen peptide