



# Anti-Collagen Type I polyclonal antibody (DPAB1595)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Cross-reactivity: (OD at a 1:100 ELISA dilution) Salmon Fish Collagen Type I 1.0 Sole and Tuna fish Collagen Type I <0.4 Goldfish Collagen Type I <0.2* Mammalian, avian Collagen Type I <0.2* (*OD≤0.2 means negative re
<b>Immunogen</b>	Collagen Type I extracted and purified from salmon fish skin
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Salmon fish
<b>Purification</b>	Ion exchange chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in IFA, (SP)RIA, ELISA (tested). For immunostaining of extra or intracellular components in light microscopy and the quantitation of Salmon Type I collagen. In indirect IFA with fluorescein anti-rabbit IgG conjugate, use diluted at 1:40 on frozen salmon tissues (skin, liver). For ELISA, use diluted at 1:10 – 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.
<b>Format</b>	Purified, Lyophilized Reconstitute with 0.5ml deionized water.
<b>Concentration</b>	Not applicable
<b>Size</b>	0.5 ml
<b>Buffer</b>	Not applicable

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Lyophilized: Short-term (up to 24 months) store at 2-8°C. Long term store at -20°C. Reconstituted: Aliquot and store (up to 6 months) at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	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; AI325291; collagen alpha-2(I) chain; collagen COL1A2; osteogenesis imperfect; procollagen, type I, alpha 2; OTTMUSP00000023584; 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