



# Anti-Collagen Type IX polyclonal antibody (DPAB1597)

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) Chicken Collagen Type IX 1.0 Chicken Collagen Type I, II, III, V <0.1* Other species Type IX Collagen <0.1* (*OD≤0.2 means negative reactivity)
<b>Immunogen</b>	Collagen Type IX extracted and purified from chicken skin.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Chicken
<b>Purification</b>	Ion exchange chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in IFA, ELISA (tested). For immunostaining of extra or intracellular components in light microscopy and the quantitation of Chicken Type IX collagen. In indirect IFA with fluorescein anti-rabbit IgG conjugate, use diluted at 1:40 on frozen chicken cartilage tissues, after a hyaluronidase tissue treatment. 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: Store (up to 2 years) at 2-8°C. Long term store at -20°C. Reconstituted: Aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis.
<b>Keywords</b>	alpha 3 type IX collagen; collagen IX alpha-3 polypeptide; collagen type IX alpha 3; collagen type IX proteoglycan; Alpha 1 type IX collagen; Cartilage specific short; collagen; Collagen IX, alpha 1 polypeptide; MED; COL9A1; collagen, type IX, alpha 1; EDM6; DJ149L1.1.2; FLJ40263; OTTHUMP00000016699; alpha-1(IX) collagen chain; collagen alpha-1(IX) chain; cartilage alpha(IX) collagen; alpha(IX) collagen-proteoglycan; COL9A2; collagen, type IX, alpha 2; EDM2; DJ39G22.4; alpha 2 type IX collagen; collagen alpha-2(IX) chain; collagen IX, alpha-2 polypeptide; COL9A3; collagen alpha-3(IX) chain; collagen-alpha-3 type IX; EDM3; IDD; DJ885L7.4.1; FLJ90759; Collagen Type IX; Collagenpowder; collagens; BOVINE COLLAGEN TYPE II; COLLAGEN TYPE IV, HUMAN; COLLAGEN, TYPE 5; Collagen from human placenta; COLLAGEN 99%; COLLAGEN 99.9%; COLLAGEN BOVINE STERILE; COLLAGEN FROM CALF SKIN TYPE I