



# Anti-Collagen Type IV polyclonal antibody (DPAB1596)

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) Bovine Collagen Type IV 1.0 Bovine Collagen Type I, II, III, IX, XI <0.1* Bovine Fibronectin <0.1* Other species type IV Collagen <0.1* (*OD ≤0.2 means negative reactivity)
<b>Immunogen</b>	Collagen Type IV extracted and purified from bovine lens capsule
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Bovine
<b>Purification</b>	Ion exchange chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitability for use in IFA, IHC(p), ELISA (tested). For immunostaining of extra or intracellular components in light microscopy and the quantitation of Bovine Type IV collagen. In indirect IFA with fluorescein anti-rabbit IgG conjugate, use diluted at 1:40 on frozen bovine liver and skin tissues. In IHC/Immunoperoxidase technique, use diluted at 1:250 on fixed bovine paraffin sections. 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 2 years) store 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>	Collagen IV is a major constituent of the basement membranes along with laminins, proteoglycans and enactins. It is a multimeric protein composed of 3 alpha subunits. These subunits are encoded by 6 different genes, alpha 1 through alpha 6, each of which can form a triple helix structure with 2 other subunits to form type IV collagen. It can form insoluble fibers with high tensile strength. Collagen IV is useful in detecting the loss of parts of basement membranes in carcinomas.
<b>Keywords</b>	Arresten; Canstatin; COL4A1; COL4A2; COL4A3; COL4A4; COL4A5; Collagen Alpha 1(IV) Chain; Collagen Alpha 2(IV) Chain; Collagen IV Alpha 1 Polypeptide; Collagen IV Alpha 2 Polypeptide; Collagen Of Basement Membrane Alpha 1 Chain; Collagen Of Basement Membrane Alpha 2 Chain; Collagen Type IV Alpha 1; Collagen Type IV Alpha 2; Collagen Type IV Alpha 3; Collagen Type IV Alpha 4; Collagen Type IV Alpha 5; DKFZp686l14213; FLJ22259; collagen alpha-1(IV) chain; collagen alpha-2(IV) chain; collagen alpha-3(IV) chain; alpha type IV collagen basement membrane; collagen alpha-5(IV) chain; Collagen Type IV; 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