



Anti-Collagen Type IV polyclonal antibody (DPAB1579)

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

PRODUCT INFORMATION

Specificity	Cross-absorbed against Collagen types I, II, III, V and VI covalently linked to agarose. Reacts with conformational determinants on human and bovine type IV collagen as demonstrated by ELISA. May react with type IV collagen from other species. Exhibits &I
Immunogen	Human type IV collagen
Source/Host	Goat
Species Reactivity	Human
Purification	Affinity chromatography on human and bovine Type IV collagen covalently linked to agarose
Conjugate	Unconjugated
Applications	Suitable for use in ELISA and immunocytochemistry (1:10 – 1:20). Use in immunohistochemistry (frozen sections) and Western blot may be affected by reduced conditions, harsh chemicals and/or heat. 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	Affinity Purified, Liquid
Concentration	0.4mg/ml
Size	200 µg
Buffer	100mM Borate buffered saline, pH 8.2
Preservative	None
Storage	Store at 2-8°C.

BACKGROUND

Introduction	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.
Keywords	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-3(IV) chain; collagen alpha-4(IV) chain; collagen alpha-5(IV) chain; collagen IV, alpha-3 polypeptide; Collagen IV, alpha-4 polypeptide; collagen IV, alpha-5 polypeptide; collagen of basement membrane, alpha-4 chain; collagen of basement membrane, alpha-5 chain; 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