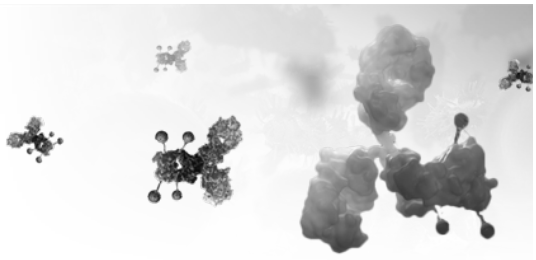

Anti-Collagen Type IV polyclonal antibody (DPAB1590)

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

PRODUCT INFORMATION

Specificity	Cross-reactivity (RIA%): Mouse Collagen Type IV 100% Mouse Collagen Types I, III <0.1% Human Collagen Type IV, V <0.1% Mouse Fibronectin <0.1% Mouse Laminin <0.1%
Immunogen	Collagen Type IV extracted and purified from mouse tumor tissues
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Column chromatography
Conjugate	Unconjugated
Applications	Suitable for use in immunostaining of extra or intracellular components in light microscopy. IFA: (with fluorescein anti-rabbit IgG conjugate), use diluted at >1:80 on frozen mouse tissues (skin, liver). IHC(p): >1:500 on fixed, paraffin-embedded mouse tissues (skin, liver). ELISA: >1:200 (OD>500). 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: 1:5,000 (RIA)
Size	0.5 ml
Buffer	Not applicable
Preservative	See individual product datasheet

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	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

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; DKFZp686I14213; FLJ22259; Col4a1; Bru; Raw; Svc; Col4a-1; Del(8)44H; OTTMUSP00000023605; alpha1(IV) collagen; retinal anterior wiring; procollagen, type IV, alpha 1; Col4a2; Col4a-2; MGC7371; canstatin; OTTMUSP00000023606; procollagen, type IV, alpha 2; Col4a3; [a]3(IV); alpha3(IV); collagen alpha-3(IV) chain; tumstatin; OTTMUSP00000024235; collagen type IV alpha3 chain; procollagen, type IV, alpha 3; Col4a4; [a]4(IV); E130010M05Rik; collagen alpha-4(IV) chain; Col4a5; OTTMUSP00000024234; procollagen, type IV, alpha 4; OTTMUSP00000020465; OTTMUSP00000021282; procollagen type IV alpha 5; collagen type IV alpha5 chain; procollagen, type IV, alpha 5; 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; Collagen IV

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221