Datasheet for ABIN335193

anti-Collagen IV antibody

4 Publications

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Overview

Quantity:	0.25 mL
Target:	Collagen IV (COL4)
Reactivity:	Human, Rat, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Collagen IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	This polyclonal type IV collagen antibody is a rabbit polyclonal antibody. The rabbits were immunized with isolated human type IV collagen. The immunogen has been isolated from human placenta.
Specificity:	Human, rat, pig, cow.
Purification:	Antiserum

Target Details

Target:	Collagen IV (COL4)
Alternative Name:	Collagen Type IV (COL4 Products)

Application Details

Application Notes:	Polyclonal type IV collagen recognizes the extracellular - basement membranes. Polyclonal type IV is useful for immunoblotting, immunocytochemistry on fixed cells (methanol fixation) and immunohistochemistry on frozen tissues when using a PBS buffer containing 0.1 mM CaCl 2 and 0.1 mM MgCl 2. For immunohistochemistry on paraffin sections the sections should be pretreated with 1 mg/ml pepsin in 0.01 N HCl for 30 minutes at room temperature. Optimal antibody dilution should be determined by titration, 1:10 - 1:20 for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	4 °C

Publications

Product cited in:

Cleutjens, Havenith, Kasper, Vallinga, Bosman: "Absence of type IV collagen in the centre of the corneal epithelial basement membrane." in: **The Histochemical journal**, Vol. 22, Issue 12, pp. 688-94, (1991) (PubMed).

Schapers, Pauwels, Havenith, Smeets, van den Brandt, Bosman: "Prognostic significance of type IV collagen and laminin immunoreactivity in urothelial carcinomas of the bladder." in: **Cancer**, Vol. 66, Issue 12, pp. 2583-8, (1991) (PubMed).

Cleutjens, Havenith, Beek, Vallinga, Ten Kate, Bosman: "Origin of basement membrane type IV collagen in xenografted human epithelial tumor cell lines." in: **The American journal of pathology**, Vol. 136, Issue 5, pp. 1165-72, (1990) (PubMed).

Visser, van der Beek, Havenith, Cleutjens, Bosman: "Immunocytochemical detection of basement membrane antigens in the histopathological evaluation of laryngeal dysplasia and neoplasia." in: **Histopathology**, Vol. 10, Issue 2, pp. 171-80, (1986) (PubMed).