

## Product datasheet for **BP2166**

### Col4a1 Rabbit Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, IF, IHC, R
<b>Recommended Dilution:</b>	Suitable for immunostaining of extra or intracellular components in light microscopy. RIA (1:5,000). ELISA >1:200 (OD>500). Immuno-fluorescence analysis (with fluorescein anti-rabbit IgG conjugate): >1:80 on frozen mouse tissues (skin, liver). Immunohistochemistry on paraffin sections (immunoperoxidase technique with the Envision/Dako kit): >1:500 on fixed, paraffin-embedded mouse tissues (skin, liver).
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Collagen Type IV extracted and purified from mouse tumor tissues.
<b>Specificity:</b>	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 < 4.0%
<b>Formulation:</b>	State: Purified State: Lyophilized purified Ig fraction without preservatives.
<b>Reconstitution Method:</b>	Reconstitute in 0.5 ml deionized water.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Column chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the lyophilized antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. store the reconstituted antibody at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.



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**Gene Name:** collagen, type IV, alpha 1

**Database Link:** [Entrez Gene 12826 Mouse P02463](#)

**Background:** 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.

**Synonyms:** COL4A1