

## Product datasheet for **AM20613PU-N**

### Collagen IV (COL4A1) Mouse Monoclonal Antibody [Clone ID: Col-30]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Col-30
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin and frozen sections: 0.5 - 1 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human collagen type IV
Specificity:	This antibody reacts to Collagen type IV.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml of 1.2% sodium acetate or neutral PBS
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen type IV alpha 1 chain
Database Link:	<a href="#">Entrez Gene 1282 Human P02462</a>



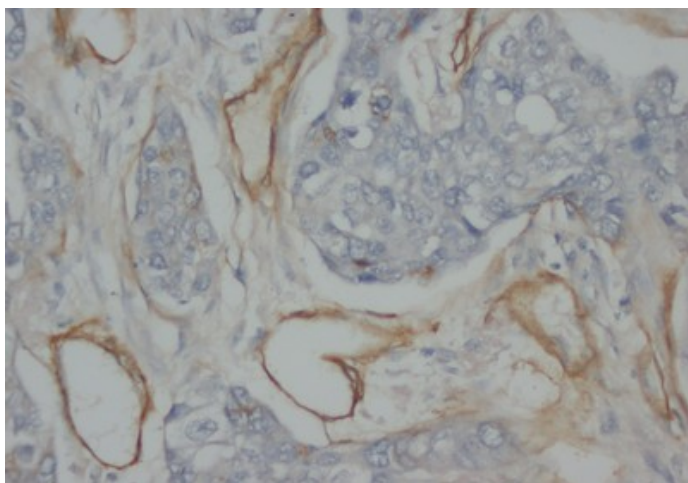
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**Background:** Collagen IV is comprised of a third chain (alpha-3) together with the 2 classical ones, alpha-1 and alpha-2. COL4A3 gene is localized to 2q36-q37 by analysis of somatic cell hybrids and by in situ hybridization. The alpha-3 chain of type IV collagen induces autoimmune Goodpasture syndrome. Mutations in the COL4A4 and COL4A3 genes cause familial benign hematuria.

**Synonyms:** COL4A1

**Protein Pathways:** ECM-receptor interaction, Focal adhesion, Pathways in cancer, Small cell lung cancer

**Product images:**



Immunohistochemistry on Human mammary cancer