

AM20613PU-N**Monoclonal Antibody to Collagen type IV - Purified**

Alternate names:	COL4A1
Quantity:	0.1 mg
Concentration:	0.1 mg/ml (after reconstitution with PBS)
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.
Uniprot ID:	P02462
NCBI:	NP_001836
GeneID:	1282
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	Col-30
Immunogen:	Human collagen type IV
Format:	State: Lyophilized purified Ig fraction Purification: Affinity chromatography Buffer System: 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. Reconstitution: Restore with 1 ml of 1.2% sodium acetate or neutral PBS
Applications:	Immunohistochemistry on paraffin and frozen sections: 0.5 - 1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Collagen type IV. Species: Human. Other species not tested.
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. Shelf life: one year from despatch.
General Readings:	1. Kalluri R, Gattone VH, Noelken ME, Hudson BG. The alpha 3 chain of type IV collagen induces autoimmune Goodpasture syndrome. Proc Natl Acad Sci U S A. 1994 Jun 21;91(13):6201-5. PubMed PMID: 8016138. 2. Badenas C, Praga M, Tazón B, Heidet L, Arrondel C, Armengol A, et al. Mutations in the COL4A4 and COL4A3 genes cause familial benign hematuria. J Am Soc Nephrol. 2002 May;13(5):1248-54. PubMed PMID: 11961012.

Pictures:

Immunohistochemistry on Human
mammary cancer

