

Cat. No:	AB-82621
Conjugate:	Unconjugated
Size:	200 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	E.coli-derived human Collagen IV recombinant protein (Position: G1445-T1669). Human Collagen IV shares 97% amino acid (aa) sequence identity with mouse Collagen IV.
Reactivity:	Human
Applications:	Western blot: 1:1000-1:3000 Immunohistochemistry (Paraffin-embedded Section): 1:500- 1:1000 Immunofluorescence: 1:100-1:300
Molecular Weight:	250 kDA
Purification:	Aff. Pur.
Background:	COL4A1, also known as ICH or Collagen alpha-1 (IV), is a protein that in humans is encoded by the COL4A1 gene. It is mapped to 13q34. This gene encodes the major type IV alpha collagen chain of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter. COL4A1 binds to alpha-1/beta-1 integrin and inhibits migration, proliferation, and tube formation by endothelial cells. It is also a potential therapeutic candidate for targeting tumor angiogenesis.
Form:	Liquid
Buffer:	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Storage:	Store at -20°C for one year. Avoid repeated freeze-thaw cycles.

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