

产品名称: Collagen IV Rabbit Monoclonal Antibody
产品货号: AMRe21611



产品概述 (Summary)

产品名称 (Production Name)	Collagen IV Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG,Kappa
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protective protein
纯化方式 (Purification)	Protein A

免疫原信息 (Immunogen)

基因名 (Gene Name)	COL4A1 Arresten;BSVD;CO4A1_HUMAN;COL4A1;COL4A1 NC1 domain;COL4A2;COL4A3;COL4A4;COL4A5;collagen alpha-1;IV;chain;Collagen IV Alpha 1 Polypeptide;Collagen IV Alpha 2 Polypeptide;Collagen Of Basement Membrane Alpha 1 Chain;Collagen Of Basement Membrane Alpha 2 Chain;Collagen Type IV Alpha 1;collagen type IV alpha 1 chain;Collagen Type IV Alpha 2;Collagen Type IV Alpha 3;Collagen Type IV Alpha 4;Collagen Type IV Alpha 5;RatOR
别名 (Alternative Names)	
基因 ID (Gene ID)	1282.0
蛋白 ID (SwissProt ID)	P02462.

产品应用 (Application)

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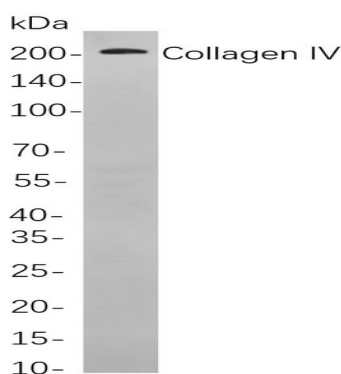
稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:200-1:1000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
蛋白分子量 (Molecular Weight)	Calculated MW:160kD;Observed MW:200kD

研究背景 (Background)

Cell localization: Cytoplasmic. This gene encodes a type IV collagen alpha protein. Type IV collagen proteins are integral components of basement membranes. This gene shares a bidirectional promoter with a paralogous gene on the opposite strand. The protein consists of an amino-terminal 7S domain, a triple-helix forming collagenous domain, and a carboxy-terminal non-collagenous domain. It functions as part of a heterotrimer and interacts with other extracellular matrix components such as perlecan, proteoglycans, and laminins. In addition, proteolytic cleavage of the non-collagenous carboxy-terminal domain results in a biologically active fragment known as arresten, which has anti-angiogenic and tumor suppressor properties. Mutations in this gene cause porencephaly, cerebrovascular disease, and renal and muscular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],

研究领域 (Research Area)

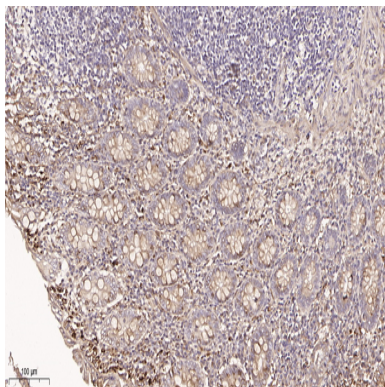
图片 (Image Data)



Western blot analysis of lysates from HeLa

cells, using Collagen IV Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

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Immunohistochemical analysis of paraffin-embedded Human appendix tissue. 1, primary Antibody was diluted at 1:200(4°C,overnight). 2, EDTA pH 9.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

注意事项 (Note)

For research use only .