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# Collagen IV $\alpha$ 3 Antibody

货号: **AYP6544**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB ELISA
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	135kDa/142kDa/158kDa/161kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,Mouse kidney
细胞定位	Secreted,basement membrane,extracellular matrix,extracellular space
纯化	Affinity purification

## 抗原信息

抗原信息	Synthesized peptide derived from Human Collagen IV $\alpha$ 3.
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## 靶点信息

研究背景	Type IV collagen, the major structural component of basement membranes, 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. This gene encodes alpha 3. In the Goodpasture syndrome, autoantibodies bind to the collagen molecules in the basement membranes of alveoli and glomeruli. The epitopes that elicit these autoantibodies are localized largely to the non-collagenous C-terminal domain of the protein. A specific kinase phosphorylates amino acids in this same C-terminal region and the expression of this kinase is upregulated during pathogenesis. This gene is also linked to an autosomal recessive form of Alport syndrome. The mutations contributing to this syndrome are also located within the exons that encode this C-terminal region. 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.
基因ID	1285
基因名	COL4A3
Swiss	Q01955
别名	COL4A3, Collagen IV $\alpha$ 3 Antibody, Goodpasture antigen, Collagen IV $\alpha$ 3

## 产品验证

## 实验步骤

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