

— ABLYBIO, Help Your Research



COL4A3BP Antibody

货号: AYP5630

产品信息

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| 反应 | Human |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | WB IHC IF ELISA |
| 推荐浓度 | WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200 |
| 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

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| 抗原信息 | Synthesized peptide derived from Human COL4A3BP. |
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靶点信息

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| 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 (https://www.uniprot.org/uniprotkb/Q01955/entry) |
| 别名 | COL4A3, COL4A3BP Antibody, Goodpasture antigen, COL4A3BP |

产品验证

实验步骤

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