

**产品名称: Fibronectin Rabbit Polyclonal Antibody**  
**产品货号: APRab10975**



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | Fibronectin Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit Polyclonal Antibody             |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA        |
| 种属反应性 (Reactivity)     | Human,Rat,Mouse                        |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | IgG                                                                                      |
| 克隆 (Clonality)      | Polyclonal                                                                               |
| 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)       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| 纯化方式 (Purification) | Affinity purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | FN1 FN                                                                                          |
| 别名 (Alternative Names) | Fibronectin (FN;Cold-insoluble globulin;CIG) [Cleaved into: Anastellin; Ugl-Y1; Ugl-Y2; Ugl-Y3] |
| 基因 ID (Gene ID)        | 2335.0                                                                                          |
| 蛋白 ID (SwissProt ID)   | P02751.Synthetic peptide from human protein at AA range: 2304-2375                              |

## 产品应用 (Application)

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC-P 1:50-200, ELISA 1:10000-20000, WB 1:500-2000, IF-P/IF-F/ICC/IF 1:50-200 |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 263 kDa; Observed MW: 285 kDa                                  |

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## 研究背景 (Background)

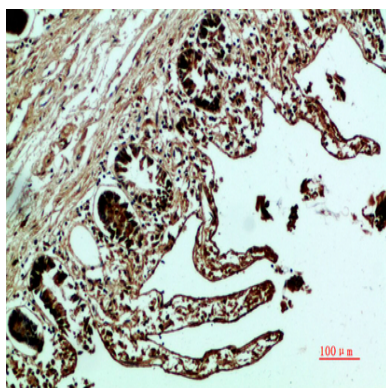
This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined. [provided by RefSeq, Jan 2016], alternative products: Additional isoforms seem to exist, developmental stage: Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age, disease: Defects in FN1 are the cause of glomerulopathy with fibronectin deposits type 2 (GFND2) [MIM:601894]; also known as familial glomerular nephritis with fibronectin deposits or fibronectin glomerulopathy. GFND is a genetically heterogeneous autosomal dominant disorder characterized clinically by proteinuria, microscopic hematuria, and hypertension that leads to end-stage renal failure in the second to fifth decade of life, function: Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Interaction with TNR mediates inhibition of cell adhesion and neurite outgrowth, online information: Fibronectin entry, PTM: Forms covalent cross-links mediated by a transglutaminase, such as F13A or TGM2, between a glutamine and the epsilon-amino group of a lysine residue, forming homopolymers and heteropolymers (e.g. fibrinogen-fibronectin, collagen-fibronectin heteropolymers), PTM: It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated, PTM: Sulfated, similarity: Contains 12 fibronectin type-I domains, similarity: Contains 16 fibronectin type-III domains, similarity: Contains 2 fibronectin type-II domains, subunit: Mostly heterodimers or multimers of alternatively spliced variants, connected by 2 disulfide bonds near the carboxyl ends; to a lesser extent homodimers. Interacts with FBLN1, AMBP, TNR, LGALS3BP and COL13A1. Interacts with FBLN7, tissue specificity: Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine,

## 研究领域 (Research Area)

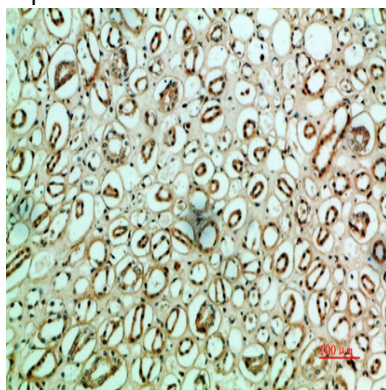
Focal adhesion; ECM-receptor interaction; Regulates Actin and Cytoskeleton; Pathways in cancer; Small cell lung cancer;

## 图片 (Image Data)

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Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200

### 注意事项 (Note)

For research use only .