

产品名称: Smad3 Rabbit Monoclonal Antibody  
产品货号: AMRe85188



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | Smad3 Rabbit Monoclonal Antibody       |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IHC,ICC                             |
| 种属反应性 (Reactivity)     | Human,Rat                              |

## 产品性能 (Performance)

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                               |
| 修饰 (Modification)   | Unmodified                                                                                 |
| 同种型 (Isotype)       | IgG                                                                                        |
| 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)       | Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol. |
| 纯化方式 (Purification) | Affinity Purification                                                                      |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | Smad3<br>SMAD3; MADH3; Mothers against decapentaplegic homolog 3; MAD                                          |
| 别名 (Alternative Names) | homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; JV15-2; SMAD<br>family member 3; SMAD 3; Smad3; hSMAD3 |
| 基因 ID (Gene ID)        | 4088.0                                                                                                         |
| 蛋白 ID (SwissProt ID)   | P84022.A synthetic peptide of human Smad3                                                                      |

## 产品应用 (Application)

|                          |                                               |
|--------------------------|-----------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200 |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 48 kDa; Observed MW: 52 kDa    |

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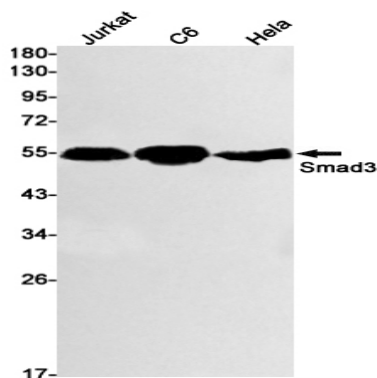
## 研究背景 (Background)

Smad3 transcription factor phosphorylated and activated by TGF-beta-type receptors. A receptor-regulated Smad (R-smad). Binds directly to consensus DNA-binding elements in the promoters of target genes. In mouse required for establishment of the mucosal immune response and proper development of skeleton.

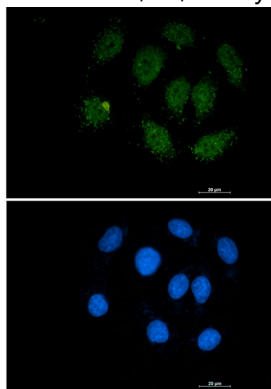
## 研究领域 (Research Area)

TGF-beta signaling pathway

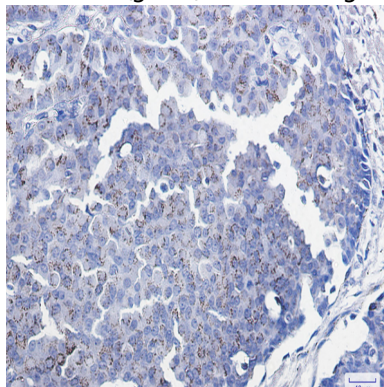
## 图片 (Image Data)



Western blot analysis of Smad3 in Jurkat, C6, HeLa lysates using Smad3 antibody.



Immunocytochemistry analysis of Smad3 (green) in A549 using Smad3 antibody, and DAPI (blue).



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Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Smad3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

**注意事项 (Note)**

For research use only .