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# Phospho-Smad3 (S423 + S425) Rabbit mAb

**货号: AYM28638**

## 产品信息

| | |
|---|---|
| 反应 | Human,Mouse |
| 宿主 | Rabbit |
| 克隆性 | Monoclonal |
| 预测反应 | |
| 应用 | WB IHC |
| 推荐浓度 | **WB:** 1:500 - 1:2000<br>**IHC:** 1:50 - 1:200<br>**IF/ICC:** 1:50 - 1:200 |
| 理论分子量 | 25kDa/35kDa/43kDa/48kDa |
| 实测分子量 | 55kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | HT-1080,HCT116,Mouse brain,Rat brain |
| 细胞定位 | Cytoplasm,Nucleus |
| 纯化 | Affinity purification |

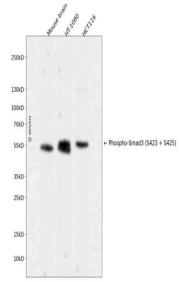
## 抗原信息

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|---|---|
| 抗原信息 | Recombinant fusion protein corresponding to Human Phospho-Smad3 (S423 + S425). |

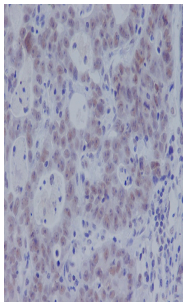
## 靶点信息

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| 研究背景 | The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. |
| 基因ID | 4088 |
| 基因名 | SMAD3 |
| Swiss | P84022 (https://www.uniprot.org/uniprotkb/P84022/entry) |
| 别名 | Phospho-Smad3 (S423 + S425),hSMAD3,HSPC193,HST17436,JV15 2,JV15-2,JV152,LDS1C,LDS3,MAD (mothers against decapentaplegic Drosophila) homolog 3,MAD homolog 3,Mad homolog JV15 2,Mad protein homolog,MAD,mothers against decapentaplegic homolog 3,Mad3,MADH 3,MADH3,MGC60396,Mothers against DPP homolog 3,SMA and MAD related protein 3,SMAD 3,SMAD,SMAD family member 3,Smad3,SMAD3_HUMAN,Phospho-Smad3 (S423 + S425) Rabbit mAb |

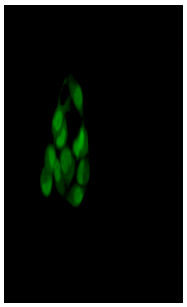
## 产品验证



Western blot analysis of Phospho-Smad3 (S423 + S425) expressed in Mouse brain,HT-1080,HCT116 using Phospho-Smad3 (S423 + S425) Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Immunohistochemical analysis of paraffin-embedded human gastric adenocarcinoma, using Phospho-Smad3 (S423 + S425) Antibody.



Immunofluorescence analysis of HeLa cells labelling Phospho-Smad3 (S423 + S425) with . The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Goat Anti-Rabbit IgG Fluor488 (1:200，shown in green) at room temprature for 1h.

## 实验步骤

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