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# Phospho-Smad2 (Ser467) pAb

**货号: ABY1188**

## 产品信息

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|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | WB IHC ICC/IF |
| 推荐浓度 | **WB:** 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500 |
| 理论分子量 | 52kDa |
| 实测分子量 | 52KD-58KD |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.5. |
| 偶联物 | Unconjugated |
| 阳性对照 | HT-1080 |
| 细胞定位 | Cytoplasm |
| 纯化 | 亲和纯化 |

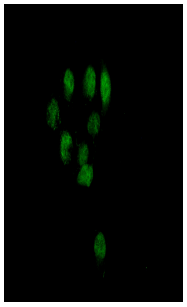
## 抗原信息

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| 抗原信息 | |

## 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 mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosphorylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4. The association with SMAD4 is important for the translocation of this protein into the nucleus, where it binds to target promoters and forms a transcription repressor complex with other cofactors. This protein can also be phosphorylated by activin type 1 receptor kinase, and mediates the signal from the activin. Alternatively spliced transcript variants have been observed for this gene. |
| 基因ID | 4087 |
| 基因名 | SMAD2 |
| Swiss | Q15796 (https://www.uniprot.org/uniprotkb/Q15796/entry) |
| 别名 | Drosophila, homolog of, MADR2; hMAD-2; HsMAD2; JV18; JV18-1; JV181; MAD; MAD homolog 2; MAD Related Protein 2; Mad-related protein 2; MADH2; MADR2; MGC22139; MGC34440; Mother against DPP homolog 2; Mothers against decapentaplegic homolog 2; Mothers against decapentaplegic, Drosophila, homolog of, 2; Mothers against DPP homolog 2; OTTHUMP00000163489; Sma and Mad related protein 2; Sma- and Mad-related protein 2 MAD; SMAD 2; SMAD family member 2; SMAD, mothers against DPP homolog 2; SMAD2; SMAD2_HUMAN; |

## 产品验证



Immunofluorescence analysis of HeLa cells labelling Phospho-Smad2 (Ser467) 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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