

产品名称: SMURF 2 (6J9) Rabbit Monoclonal Antibody  
产品货号: AMRe18037



## 产品概述 (Summary)

|                        |                                          |
|------------------------|------------------------------------------|
| 产品名称 (Production Name) | SMURF 2 (6J9) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody   |
| 宿主 (Host)              | Rabbit                                   |
| 应用 (Application)       | WB                                       |
| 种属反应性 (Reactivity)     | Human,Mouse,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)       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 纯化方式 (Purification) | Affinity purification                                                                                                                                                                        |

## 免疫原信息 (Immunogen)

|                        |                               |
|------------------------|-------------------------------|
| 基因名 (Gene Name)        | SMURF2                        |
| 别名 (Alternative Names) | hSMURF2; SMUF2_HUMAN; Smurf2; |
| 基因 ID (Gene ID)        | 64750.0                       |
| 蛋白 ID (SwissProt ID)   | Q9HAU4.                       |

## 产品应用 (Application)

|                          |                 |
|--------------------------|-----------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000 |
| 蛋白分子量 (Molecular Weight) | 86kDa           |

## 研究背景 (Background)

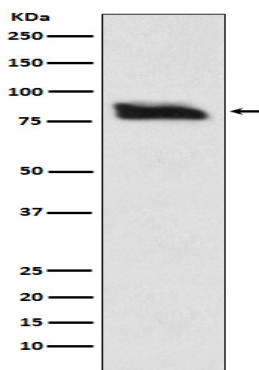
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E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Interacts with SMAD1 and SMAD7 in order to trigger their ubiquitination and proteasome-dependent degradation. E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:<a href="http://www.uniprot.org/citations/11016919" target="\_blank">11016919</a>). Interacts with SMAD7 to trigger SMAD7-mediated transforming growth factor beta/TGF-beta receptor ubiquitin-dependent degradation, thereby downregulating TGF-beta signaling (PubMed:<a href="http://www.uniprot.org/citations/11163210" target="\_blank">11163210</a>, PubMed:<a href="http://www.uniprot.org/citations/12717440" target="\_blank">12717440</a>). In addition, interaction with SMAD7 activates autocatalytic degradation, which is prevented by interaction with AIMP1 (PubMed:<a href="http://www.uniprot.org/citations/18448069" target="\_blank">18448069</a>). Also forms a stable complex with TGF-beta receptor-mediated phosphorylated SMAD1, SMAD2 and SMAD3, and targets SMAD1 and SMAD2 for ubiquitination and proteasome-mediated degradation (PubMed:<a href="http://www.uniprot.org/citations/11016919" target="\_blank">11016919</a>, PubMed:<a href="http://www.uniprot.org/citations/11158580" target="\_blank">11158580</a>, PubMed:<a href="http://www.uniprot.org/citations/11389444" target="\_blank">11389444</a>). SMAD2 may recruit substrates, such as SNON, for ubiquitin-dependent degradation (PubMed:<a href="http://www.uniprot.org/citations/11389444" target="\_blank">11389444</a>). Negatively regulates TGFβ1-induced epithelial- mesenchymal transition and myofibroblast differentiation (PubMed:<a href="http://www.uniprot.org/citations/30696809" target="\_blank">30696809</a>).

## 研究领域 (Research Area)

## 图片 (Image Data)



Western blot analysis of SMURF 2 expression in SH-SY-5Y cell lysate.

## 注意事项 (Note)

For research use only .

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