

## Rabbit SMAD1 Polyclonal Antibody | anti-SMAD1 antibody

Anti-SMAD1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA264985 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Western Blot |

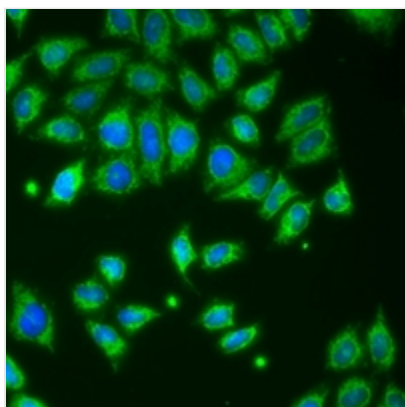
### PRODUCT SYNONYMS

SMAD1; Polyclonal Antibody; Anti-SMAD1 Antibody; BSP1; MADH1; MADR1; Mothers against decapentaplegic homolog 1; MAD homolog 1; Mothers against DPP homolog 1; JV4-1; Mad-related protein 1; SMAD family member 1; SMAD 1; Smad1; hSMAD1; Transforming growth factor-beta-signaling protein 1; BSP-1; anti-SMAD1 antibody

### PRODUCT SPECIFICATIONS

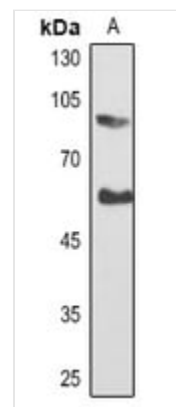
|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human, Mouse, Rat                                                                                              |
| Clonality                                       | Polyclonal                                                                                                     |
| Specificity                                     | Recognizes endogenous levels of SMAD1 protein.                                                                 |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.       |
| Applicable Applications for anti-SMAD1 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                       | Recombinant fusion protein of human SMAD1. The exact sequence is proprietary.                                  |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of SMAD1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of SMAD1 expression in A375 (A), H460 (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| Related Product Information for anti-SMAD1 antibody | Rabbit polyclonal antibody to SMAD1 |
|-----------------------------------------------------|-------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 51173727                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 4086                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001003688.1                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001003688.1                                                                                                                                                                                                                                                  |
| UniProt Accession #              | Q15797; P70340 (Mouse); P97588 (Rat)                                                                                                                                                                                                                            |
| Molecular Weight                 | 52,260 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | mothers against decapentaplegic homolog 1                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | SMAD family member 1                                                                                                                                                                                                                                            |
| NCBI Official Symbol             | SMAD1                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1                                                                                                                                                                                                                          |
| NCBI Protein Information         | mothers against decapentaplegic homolog 1; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1; SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-b |
| UniProt Protein Name             | Mothers against decapentaplegic homolog 1                                                                                                                                                                                                                       |
| UniProt Gene Name                | SMAD1                                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1                                                                                                                                                                  |
| UniProt Entry Name               | SMAD1_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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