

Datasheet for ABIN7180082

**anti-SMAD1 antibody (Ser187)**[Go to Product page](#)**2** Images

## Overview

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                            |
| Target:              | SMAD1                                                                             |
| Binding Specificity: | Ser187                                                                            |
| Reactivity:          | Human                                                                             |
| Host:                | Rabbit                                                                            |
| Clonality:           | Polyclonal                                                                        |
| Conjugate:           | This SMAD1 antibody is un-conjugated                                              |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

|                   |                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Synthesized non-phosphopeptide derived from Human Smad1 around the phosphorylation site of serine 187 (P-H-S(p)-P-N). |
| Isotype:          | IgG                                                                                                                   |
| Cross-Reactivity: | Human, Mouse                                                                                                          |
| Purification:     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | SMAD1                                    |
| Alternative Name: | SMAD1 ( <a href="#">SMAD1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Background:</p> <p>Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1.</p> <p>Riggins G.J., Nat. Genet. 13:347-349(1996).</p> <p>Liu F., Nature 381:620-623(1996).</p> <p>Hoodless P.A., Cell 85:489-500(1996)</p> <p>Aliases: BSP-1 antibody, BSP1 antibody, HsMAD1 antibody, JV4-1 antibody, JV41 antibody, MAD homolog 1 antibody, MAD mothers against decapentaplegic homolog 1 antibody, Mad related protein 1 antibody, Mad-related protein 1 antibody, MADH1 antibody, MADR1 antibody, Mothers against decapentaplegic homolog 1 antibody, Mothers against DPP homolog 1 antibody, SMA- AND MAD-RELATED PROTEIN 1 antibody, SMAD 1 antibody, SMAD family member 1 antibody, SMAD mothers against DPP homolog 1 antibody, Smad1 antibody, SMAD1_HUMAN antibody, TGF beta signaling protein 1 antibody, Transforming growth factor-beta-signaling protein 1 antibody</p> |
| UniProt:    | <a href="#">Q15797</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pathways:   | <a href="#">Stem Cell Maintenance</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Application Notes: | WB:1:500-1:3000, IHC:1:50-1:200, IF:1:100-1:200, |
| Restrictions:      | For Research Use only                            |

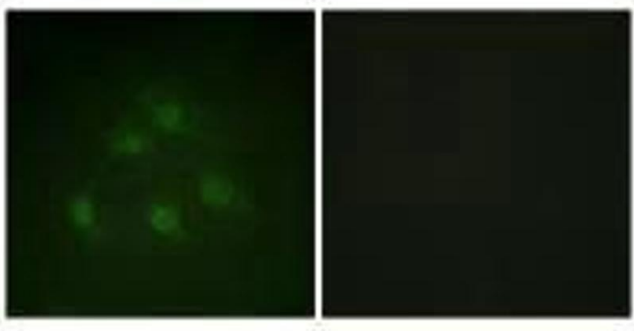
## Handling

|                    |                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                |
| Buffer:            | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative:      | Sodium azide                                                                                                                                          |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                |
| Storage:           | -20 °C,-80 °C                                                                                                                                         |

Handling

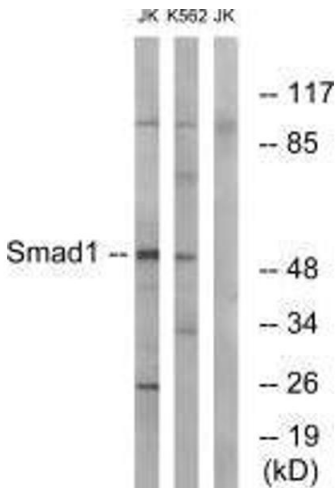
Storage Comment:                      Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

**Image 1.** Immunofluorescence analysis of HeLa cells, using Smad1 (Ab-187) antibody.



Western Blotting

**Image 2.** Western blot analysis of extracts from JK and K562 cells, using Smad1 (Ab-187) antibody.