

# Phospho-Smad1-S206 Rabbit Polyclonal Antibody

## CABP0295



### Product Information

**Size:**

50uL, 100uL, 200uL

**Observed MW:**

60kDa

**Calculated MW:**

15kDa/52kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse, Rat

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

### Protein Background

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 signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed.

### Immunogen information

**Gene ID:**

4086

**Uniprot**

Q15797

**Synonyms:**

BSP-1; BSP1; JV4-1; JV41; MADH1; MADR1; Smad1; SMAD1

**Immunogen:**

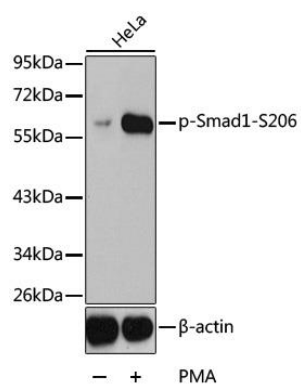
A phospho specific peptide corresponding to residues surrounding S206 of human Smad1

**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts from HeLa cells using Phospho-Smad1-S206 antibody (CABP0295). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.