

## Smad1(Phospho Ser214) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP12680
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human Smad1 (Phospho Ser214)
<b>Mol wt</b>	51150
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Smad1
<b>Synonyms</b>	Smad1 ;Phospho Ser214; 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

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD).|PTM:Phosphorylated on serine by BMP type 1 receptor kinase.|PTM:Ubiquitin-mediated proteolysis by SMAD-specific E3 ubiquitin ligase SMURF1.|Belongs to the dwarfin/SMAD family.|Contains 1 MH1 (MAD homology 1) domain.|Contains 1 MH2 (MAD homology 2) domain.|subcellular location:Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4.|subunit:Interacts with HGS| NANOG and ZCCHC12 (By similarity). May form trimers with another SMAD1 and the co-SMAD SMAD4. Interacts with PEBP2-alpha subunit| CREB-binding protein (CBP)| p300| SMURF1| SMURF2 and HOXC8. Associates with ZNF423 or ZNF521 in response to BMP2 leading to activate transcription of BMP target genes. Interacts with LBXCOR1.|tissue specificity:Ubiquitous. Highest expression seen in the heart and skeletal muscle.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year