

Smad1(Phospho Ser214) Rabbit Polyclonal Antibody

Description

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