

Smad1(Phospho Ser187) Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP14282

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human Smad1 around the

phosphorylation site of Ser187. AA range:153-202

Mol wt 52260

Species reactivity Human, Mouse, Monkey

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name Mothers against decapentaplegic homolog 1

Synonyms Mothers against decapentaplegic homolog 1; SMAD1; BSP1; MADH1; MADR1; Mothers against

decapentaplegic homolog 1; MAD homolog 1; Mothers against DPP homolog 1; JV4-1; Mad-related protein

 $1; SMAD\ family\ member\ 1;\ SMAD\ 1;\ Smad\ 1;\ hSMAD\ 1;\ Transforming\ growth\ factor-beta-signaling$

protein

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

Background

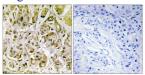
The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. 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-med

Recommended Dilution

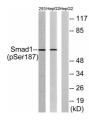
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Smad1 (Phospho-Ser187) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 293 cells and HepG2 cells, using Smad1 (Phospho-Ser187) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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