

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Smad3(P209) Peptide

Cat No.: AP0447P

#### Background

Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of  $\text{GF}\beta/\text{BMP}$  signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in  $\text{TGF}\beta$  and activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to activin/ $\text{TGF}\beta$  signaling by interfering with  $\text{TGF}\beta$ -mediated phosphorylation of other Smad proteins.

#### Swiss-Prot

P84022

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using AP0447 Smad3(P209) pAb.

#### Purification & Purity

Synthetic peptide Smad3(P209). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.