

## Anti-Phospho-SMAD1 (Mothers against decapentaplegic homolog 1) Polyclonal Antibody

Cat. #: 60B983 Phospho

### Description:

SMAD1 (Mothers against decapentaplegic homolog 1) is a transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD1 may form trimers with another SMAD1 and the co-SMAD SMAD4. SMAD1 interacts with PEBP2-alpha subunit, CREB-binding protein(CBP), P300, SMURF1, SMURF2 and HOXC8. SMAD1 is phosphorylated on serine by BMP type 1 receptor kinase.

### References

Liu,F., et al, Nature 381 (6583), 620-623 (1996)  
Hoodless,P.A., et al, Cell 85 (4), 489-500 (1996)  
Lechleider,R.J., et al, J. Biol. Chem. 271 (30), 17617-17620 (1996)  
Zhang,Y., et al, Nature 383 (6596), 168-172 (1996)  
Kretzschmar,M., et al, Genes Dev. 11 (8), 984-995 (1997)  
Miyazono,K., Cytokine Growth Factor Rev. 11 (1-2), 15-22 (2000)

Species: human, mouse, rat  
Storage and Stability: at -20oC

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)