

## Anti-SMAD3(Mothers against decapentaplegic homolog 3) Polyclonal Antibody

Cat. #: 60B472 Phospho

### Description:

SMAD3(Mothers against decapentaplegic homolog 3) is a transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinase. SMAD3 is a receptor-regulated SMAD (R-SMAD), it interacts with SARA (SMAD anchor for receptor activation) and form trimers with another SMAD3 and the co-SMAD SMAD4, it also interacts with JUN/FOS, vitamin D receptor, homeobox protein TGIF and TGIF2, PEBP2-alpha C subunit, CREB-binding protein (CBP), P300, C-SKI, SNON, ATF2, SMURF2, AIP1 and DACH1. It belongs to the dwarfin/SMAD family.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human SMAD3(Mothers against decapentaplegic homolog 3)

### References

Zhang,Y., et al, Nature 383 (6596), 168-172 (1996)  
Riggins,G.J., et al, Nat. Genet. 13 (3), 347-349 (1996)  
Arai,T., et al, Cancer Lett. 122 (1-2), 157-163 (1998)  
Melhuish,T.A., et al, J. Biol. Chem. 276 (34), 32109-32114 (2001)  
Wu,K., et al, J. Biol. Chem. 278 (51), 51673-51684 (2003)

Clone Number:

Isotype:

Species: Human

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)