

## Smad2/3 (S2) polyclonal antibody

Catalog: BCP01531

Host: Rabbit

Reactivity: Human,Rat,Mouse

### BackGround:

Members of the Smad family of signal transduction molecules are components of a critical intracellular pathway that transmit TGF- $\beta$  signals from the cell surface into the nucleus. Three distinct classes of Smads have been defined: the receptor-regulated Smads (R-Smads), which include Smad1, 2, 3, 5, and 8; the common-mediator Smad (co-Smad), Smad4; and the antagonistic or inhibitory Smads (I-Smads), Smad6 and 7. Activated type I receptors associate with specific R-Smads and phosphorylate them on a conserved carboxy-terminal SSXS motif. The phosphorylated R-Smad dissociates from the receptor and forms a heteromeric complex with the co-Smad (Smad4), allowing translocation of the complex to the nucleus. Once in the nucleus, Smads can target a variety of DNA binding proteins to regulate transcriptional responses.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 52, 55 kDa

### Swiss-Prot:

P84022

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~1:2000

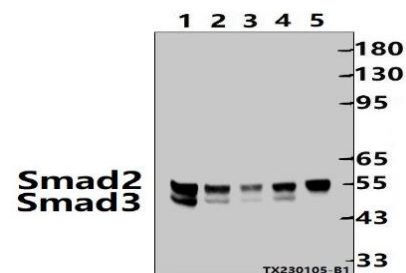
### Storage&Stability:

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

### Specificity:

Smad2/3 (S2) pAb detects endogenous levels of Smad2/3 protein.

### DATA:



Western blot (WB) analysis of Smad2/3 (S2) pAb at 1:1000 dilution

Lane1:PC12 whole cell lysate(30ug)

Lane2:CT-26 whole cell lysate(30ug)

Lane3:HeLa whole cell lysate(30ug)

Lane4:HEK293T whole cell lysate(30ug)

Lane5:EC9706 whole cell lysate(30ug)

### Note:

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