Smad2 (Ab-467) polyclonal antibody

Catalog: BS1425 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-β 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 9; 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-SMADs dissociate from the receptor and form a heteromeric complex with SMAD4, initiating translocation of the heteromeric SMAD complex to the nucleus. Once in the nucleus, SMADs recruit a variety of DNA binding proteins that function to regulate transcriptional activity.

Product:

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

Molecular Weight:

~ 60 kDa

Swiss-Prot:

Q15796

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: 1:500~1:1000

IP: 1:50~1:200

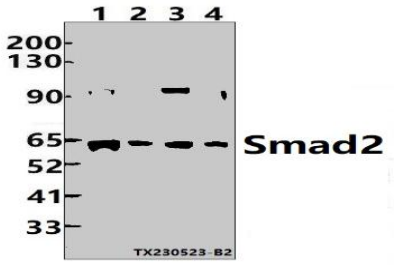
Storage&Stability:

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

Specificity:

Smad2 (Ab-467) polyclonal antibody detects endogenous levels of Smad2 protein.

DATA:



Western blot (WB) analysis of Smad2 (Ab-467) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(30ug)

Lane2:Hela whole cell lysate(30ug)

Lane3:PC12 whole cell lysate(30ug)

Lane4:3T3-L1 whole cell lysate(30ug)

Note:

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

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