

Smad4 polyclonal antibody

Catalog: BS61802

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Members of the Smad family of signal transduction molecules are components of a critical intracellular pathway that transmits 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, 8; the common-mediator Smad (co-Smad), Smad4; and the antagonistic or inhibitory Smads (I-Smads), Smad6 and 7. Briefly, activated type I receptors associate with specific R-Smads and phosphorylate them on a conserved SSXS motif at the carboxy-terminus of the proteins. The phosphorylated R-Smad dissociates from the receptor and forms a heteromeric complex with the co-Smad, Smad4, and together the complex moves 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:

~ 70 kDa

Swiss-Prot:

Q13485

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

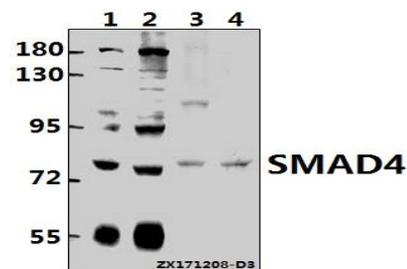
Storage&Stability:

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

Specificity:

SMAD4 pAb detects endogenous levels of SMAD4 protein.

DATA:



Western blot (WB) analysis of SMAD4 pAb at 1:500 dilution

Lane1:A2780 whole cell lysate(40ug)

Lane2:H1792 whole cell lysate(40ug)

Lane3:The Spleen tissue lysate of Mouse(40ug)

Lane4:The Spleen tissue lysate of Rat(40ug)

Note:

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

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