

anti-Smad4

Cat #: HM1336
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Smad proteins are mammalian homologs of the gene products of the *Drosophila* gene 'mothers against decapentaplegic' (Mad) and the *C. elegans* gene Sma. Smad proteins are signal transducers and transcriptional modulators that mediate TGFβ/BMP signaling pathways, which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. Smad1 (also designated Madr1 or JV4), Smad5 and mammalian Smad8 (also designated Smad9 or MADH6) are effectors of BMP2 and BMP4 function while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFβ and activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members.

SPECIFICITY

This antibody broadly reacts with Smad4 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of Smad4: 61 kDa.
Positive Controls: Hep G2 or NIH/3T3 cell lysate.

IMMUNOGEN

Full-length recombinant human Smad4 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

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