

Smad2 monoclonal antibody

Catalog: MB9513

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of TGF β /BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGF β 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. Smad6 and Smad7 regulate the response to Activin/TGF β signaling by interfering with TGF β -mediated phosphorylation of other Smad proteins.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

58 kDa

Swiss-Prot:

Q15796(Human) Q62432(Mouse) O70436(Rat)

Purification&Purity:

ProG affinity purified

Applications:

WB:1:500

IHC/ICC:1:50-1:200

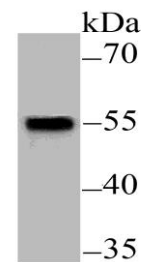
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

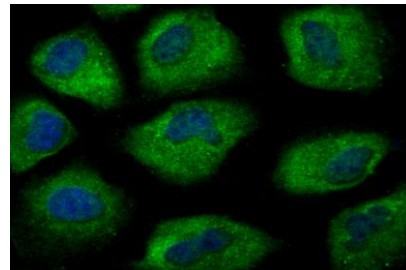
Specificity:

Smad2 monoclonal antibody detects endogenous levels of Smad2 protein.

DATA:



Western blot analysis of Smad2 on HeLa cell lysate using anti-Smad2 antibody at 1/500 dilution.



ICC staining Smad2 (green) in HUVEC cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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