

Smad2 monoclonal antibody

Catalog: MB0165

Host: Mouse

Reactivity: Human

BackGround:

Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of $\text{GF}\beta$ /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 $\text{TGF}\beta$ 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/ $\text{TGF}\beta$ signaling by interfering with $\text{TGF}\beta$ -mediated phosphorylation of other Smad proteins.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size:60KDa

Observed band size:60KDa

Swiss-Prot:

Q15796

Purification&Purity:

The antibody was affinity-purified from mouse ascites by

affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1000

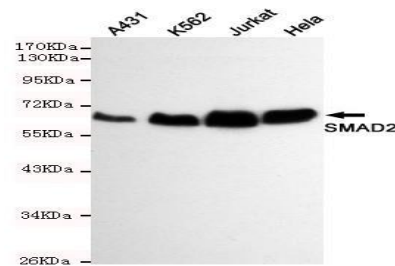
Storage&Stability:

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

Specificity:

This antibody detects endogenous levels of Smad2 and does not cross-react with related proteins

DATA:



Western blot detection of SMAD2 antibody in HeLa, A431, Jurkat and K562 cell lysates using SMAD2 antibody (1:500 diluted).

Note:

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

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