

小鼠抗 SMAD2 单克隆抗体

中文名称： 小鼠抗 SMAD2 单克隆抗体

英文名称： Anti-SMAD2 mouse monoclonal antibody

别名： SMAD family member 2; JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2

相关类别： 一抗

储存： 冷冻（-20℃）

宿主： Mouse

抗原： SMAD2

反应种属： Human

标记物： Unconjugate

克隆类型： Mouse Monoclonal

技术规格

Background:

The protein encoded by this gene belongs to the SMAD, a family of proteins similar to 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 multiple signaling pathways. This protein mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosph

	<p>orylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4. The association with SMAD4 is important for the translocation of this protein into the nucleus, where it binds to target promoters and forms a transcription repressor complex with other cofactors. This protein can also be phosphorylated by activin type 1 receptor kinase, and mediates the signal from the activin. Alternatively spliced transcript variants have been observed for this gene.</p>
Applications:	WB, IF
Name of antibody:	SMAD2
Immunogen:	Fusion protein of human SMAD2
Full name:	SMAD family member 2
Synonyms:	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2
SwissProt:	Q15796
WB Predicted band size:	52 kDa
WB Positive control:	A431, K562, Jurkat and Hela cell lysates
WB Recommended dilution:	500-2000
IF positive control:	Hela cells
IF Recommend dilution:	50-100

