

	<h1>SMAD2 Rabbit pAb</h1>	E 2 5 1 0 7 1 8
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Swiss-Prot No.:	Q15796
Altername:	SMAD2
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles.
Immunogen:	A synthetic peptide of human SMAD2
Purification:	Affinity purified
Reactivity:	Human,Mouse,Rat
Other Names:	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2
Cellular localization:	Cytoplasm, Nucleus
Relevance:	Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD2/SMAD4 complex, activates transcription. May act as a tumor suppressor in colorectal carcinoma. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.
Source:	Rabbit
Antibody type:	Polyclonal antibody

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Isotype:	Rabbit IgG
Molecular Weight:	60kDa
Preservative:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Recommended Dilutions:	WB 1:500 - 1:2000; IHC 1:50 - 1:100; IF 1:50 - 1:200 (Optimal dilutions should be determined by the end user)