



SMAD2 Monoclonal Antibody

Product Code	CSB-MA913719
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant Human SMAD2 protein fragments expressed in E.coli.
Raised In	Mouse
Species Reactivity	Human
Specificity	This antibody detects endogenous levels of SMAD2 and does not cross-react with related proteins.
Tested Applications	ELISA, WB, ICC; Recommended dilution: WB:1:500-1:5000, ICC:1:50-1:200
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.
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Isotype	IgG1
Clonality	Monoclonal
Alias	hMAD 2; hMAD-2; hSMAD2; JV18 1; JV18; JV18; JV18-1; JV181; MAD; MAD; MAD homolog 2; MAD Related Protein 2; Mad-related protein 2; MADH2; MADR2; MGC22139; MGC34440; Mothers Against Decapentaplegic Homolog 2; Mothers Against Decapentaplegic Homolog 2;
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)