



# SMAD2 Monoclonal Antibody

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| <b>Product Code</b>        | CSB-MA913719                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>           | Purified recombinant Human SMAD2 protein fragments expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Raised In</b>           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Specificity</b>         | This antibody detects endogenous levels of SMAD2 and does not cross-react with related proteins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Tested Applications</b> | ELISA,WB,ICC;Recommended dilution:WB:1:500-1:5000,ICC:1:50-1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Relevance</b>           | 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. |
| <b>Form</b>                | Ascites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Alias</b>               | 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;                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>        | Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |