

Smad2 (6H5) Mouse mAb

db6171

Package : 50μL 100μL

Product Name : Smad2 (6H5) Mouse mAb**Cat.No.:** db6171**Synonyms** : JV18;MADH2;MADR2;JV18-1;hMAD-2;hSMAD2**Application** : WB, ICC/IF**Reactivity** : Human, Mouse**Host species** : Mouse**Background**

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.

Immunogen

Purified recombinant human Smad2 protein fragments expressed in E.coli

Gene ID

4087

Swiss Prot

Q15796

Synonyms

JV18;MADH2;MADR2;JV18-1;hMAD-2;hSMAD2

Reactivity

Human, Mouse

Application

WB, ICC/IF

Recommended dilution

WB: 1:500-1:1000

ICC/IF: 1:50-1:200

Calculated MW

52 kDa

Observed MW

60 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

6H5-E3-C11

Isotype

IgG1

Purity

Affinity Purification

Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.
	<ul style="list-style-type: none">□ Western blot analysis of Smad2 in Hela, A431, Jurkat and K562 lysates using Smad2 antibody.□ Immunocytochemistry analysis of Smad2 (6H5) in HeLa using Smad2 antibody.□ Western blot analysis of Smad2 (6H5) in 3T3 lysates using Smad2 antibody.