

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

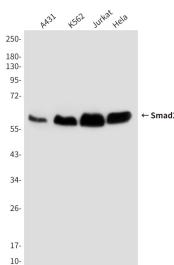
Affinity Purification

Conjugation

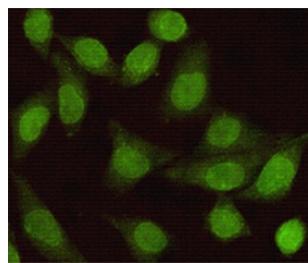
Un-conjugated

Storage Stability

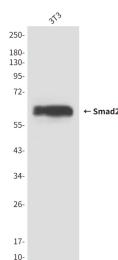
Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA .
Stable for 12 months from date of receipt.



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.