

Smad3 Mouse Monoclonal Antibody(8B5)

Catalog No: RA10042

Basic Information

Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H,R,M
Specificity	Antibody can detects endogenous Smad3 protein.
Recommended dilutions	WB: 1:1,000-2,000 IHC: 1:100-200 Optimal dilutions should be determined by the end user.

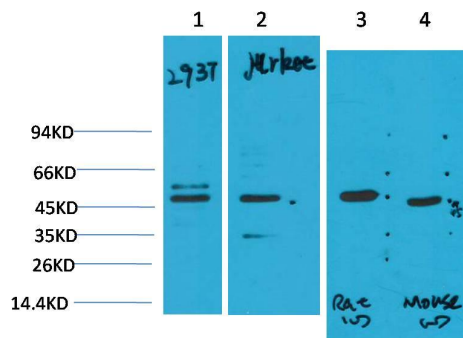
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

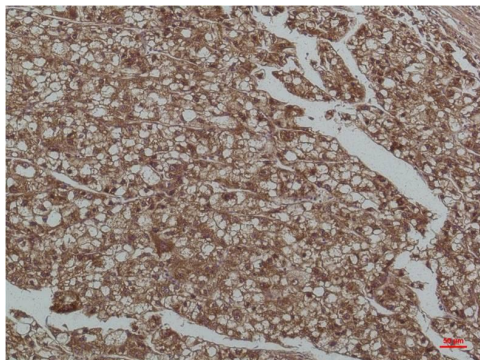
Background

Alternative Names	hMAD3 antibody, HSPC193 antibody, LDS1C antibody, MADH3 antibody, JV15 2 antibody
Observed band	52
Human Gene ID	4088
Human Swiss-Prot Number	P84022
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 SMAD3/SMAD4 complex, activates transcription.

Selected Validation Data



Western blot analysis of 1)293T, 2)Jurkat, 3)Rat Heart Tissue, 4)Mouse Heart Tissue with Smad3 Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Liver Tissue using Smad3 Mouse mAb diluted at 1:200.