

## SMAD7 Mouse mAb(3E3)

Catalog No: RA10409

### Basic Information

Host species	Mouse
Applications	WB,IHC
Species Cross-Reactivity	H,M,R
Specificity	Antibody can detects endogenous SMAD7protein.
Recommended dilutions	WB:1:1,000-2,000 IHC:1:200-500 Optimal dilutions should be determined by the end user.

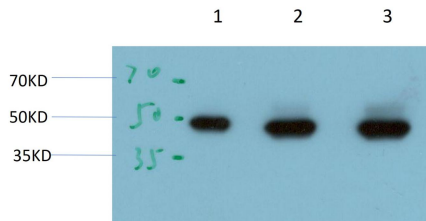
### Applications

Formulation	Antigen Affinity Purified IgG in 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	SMAD7 MADH7 MADH8
Observed band	46
Human Gene ID	4092
Human Swiss-Prot Number	P49841
Background	SMAD family member 7(SMAD7) Homo sapiens The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFB1), leading to the degradation of both the encoded protein and TGFB1. Expression of this gene is induced by TGFB1.

## Selected Validation Data



Western blot analysis of 1)Hela Cell, 2) Mouse Heart Tissue 3)  
Rat Heart Tissue Lysate using SMAD7 Mouse Monoclonal  
Antibody diluted at 1:2,000.