

SMAD7 Mouse mAb(3E3)**Catalog No.: RA10409****Basic Information****Information**

Reactivity	H,M,R
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	46KD

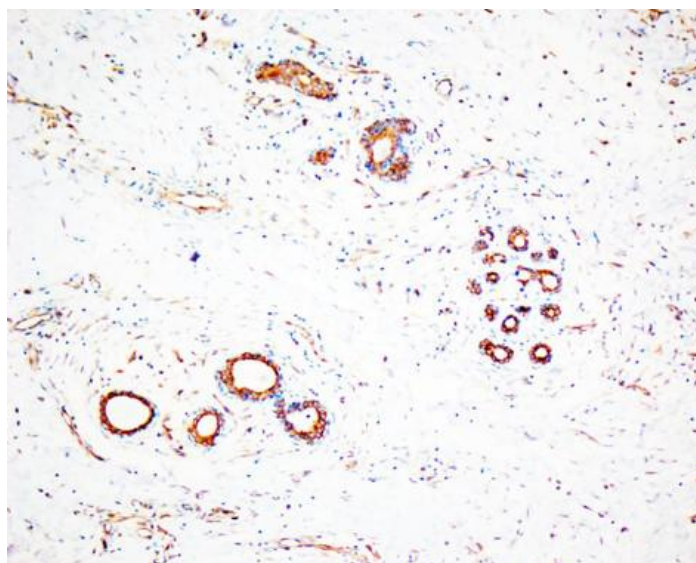
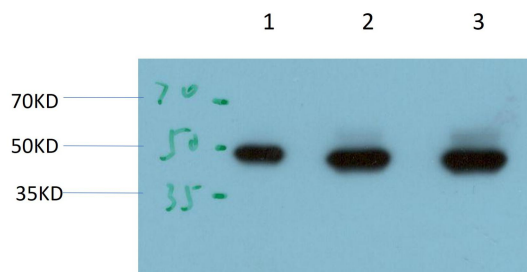
Applications**Recommended Dilution**

WB	1:1,000-2,000
IHC	1:200-500

Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental 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.

Immunohistochemical analysis of paraffin-embedded Human Lung CarcinomaTissue using SMAD7 Mouse monoclonal antibody diluted at 1:200.

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 (TGFBR1),leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1.