

Product Name: SMAD6 Mouse Monoclonal Antibody
Catalog #: AMM80888



Summary

Production Name	SMAD6 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	SMAD6
Alternative Names	MADH6; MADH7; HsT17432; SMAD6
Gene ID	4091.0
SwissProt ID	O43541. Purified recombinant fragment of human SMAD6 expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ELISA:1:10000
Molecular Weight	53kDa

Background

Antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members; has been shown to inhibit selectively BMP (bone morphogenetic proteins) signaling by competing with the co-SMAD SMAD4 for receptor-

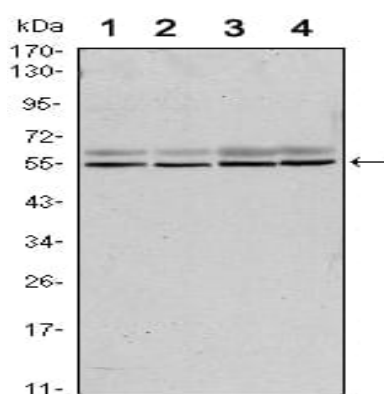
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activated SMAD1. SMAD6 is an inhibitory SMAD (I-SMAD) or antagonistic SMAD. Binds to regulatory elements in target promoter regions. Tissue specificity: Ubiquitous in various organs, with higher levels in lung. Isoform B is up-regulated in diseased heart tissue.

Research Area

Image Data



Western blot analysis using SMAD6 mouse mAb against A431 (1), A431 (2), HeLa (3) and Jurkat (4) cell lysate.

Note

For research use only.