

## Mouse Monoclonal Antibody to SMAD6

Catalogue Number	sAP-0449
Target Molecule	<b>Name:</b> SMAD6 <b>Aliases:</b> MADH6; MADH7; HsT17432; SMAD6 <b>MW:</b> 53kDa <b>Entrez Gene ID:</b> 4091
Description	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-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.
Immunogen	Purified recombinant fragment of human SMAD6 expressed in E. Coli. ; ;
Reactive Species	Human
Clone	MM5H3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2006 Feb 10;281(6):3569-76. ; 2. Nat Immunol. 2006 Oct;7(10):1057-65. ; 3. J Med Genet. 2009 May;46(5):331-7.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**