

SMAD6 Ab

[Images\(1\)](#)

Cat.#: BF1004 Concn.: ~1mg/ml Mol.Wt.: 53kDa
Size: Source: Mouse Clonality: Monoclonal

Application: WB 1:1000
 *The optimal dilutions should be determined by the end user.

Reactivity: Human

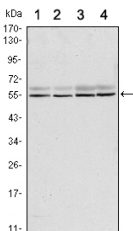
Storage: Ascitic fluid containing 0.03% sodium azide. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: affinity purification.

Immunogen: Purified recombinant fragment of human SMAD6 expressed in E. Coli.

Uniprot: O43541

Description: Antagonist of signaling by TGF-beta (transforming growth factor) type I 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.



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

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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