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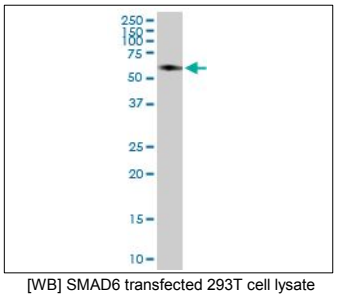
KB546

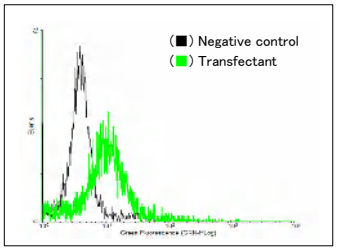
For research use only

Anti Human SMAD6 Polyclonal Antibody

Code No.	KB546
Terget	SMAD6
Category	Signal transduction
Gene ID	4091
Primary Source	HGNC:6772
Synonyms	MADH6; MADH7; HsT17432; SMAD6
Type	Polyclonal Antibody
Immunogen	Recombinant protein of full length Human SMAD6
Raised in	Mouse
Myeloma	-
Clone number	-
Purification	Protein A purified
Source	Mouse Serum
Isotype	-
Cross Reactivity	-
Label	Unlabeled
Concentration	0.46 mg/mL
Contents (Volume)	50 µg
Buffer	PBS, pH 7.2
Storage	Store at - 20℃ long term, store at 4℃ short term. Avoid repeated freeze-thaw cycles.
Application	WB,FCM



[WB] SMAD6 transfected 293T cell lysate



[FCM] SMAD6 expressing 293 cells

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)

Reference

1. Riggins G.J., et al. "Mad-related genes in the human." Nat. Genet. 13:347-349(1996)
2. Hata A., et al. "Smad6 inhibits BMP/Smad1 signaling by specifically competing with the Smad4 tumor suppressor." Genes Dev. 12:186-197(1998)
3. Afrakhte M., et al. "Induction of inhibitory Smad6 and Smad7 mRNA by TGF-beta family members." Biochem. Biophys. Res. Commun. 249:505-511(1998)

UniPlot Summary

//Function: 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.
//Subcellular location: Nucleus.
//Tissue specificity: Ubiquitous in various organs, with higher levels in lung. Isoform B is up-regulated in diseased heart tissue.
//Sequence similarities: Belongs to the dwarfin/SMAD family. Contains 1 MH1 (MAD homology 1) domain. Contains 1 MH2 (MAD homology 2) domain.

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