

产品名称: Smad6 Rabbit Polyclonal Antibody
产品货号: APRab18000



产品概述 (Summary)

产品名称 (Production Name)	Smad6 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SMAD6 SMAD6; MADH6; Mothers against decapentaplegic homolog 6; MAD
别名 (Alternative Names)	homolog 6; Mothers against DPP homolog 6; SMAD family member 6; SMAD 6; Smad6; hSMAD6
基因 ID (Gene ID)	4091.0
蛋白 ID (SwissProt ID)	O43541.The antiserum was produced against synthesized peptide derived from human Smad6. AA range:323-372

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	62kDa

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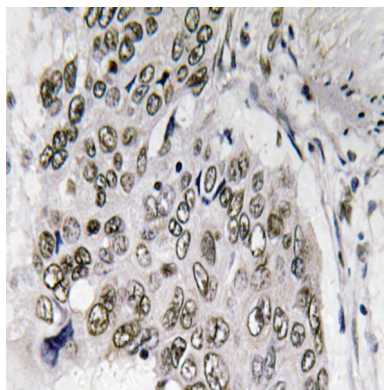
研究背景 (Background)

The protein encoded by this gene belongs to the SMAD family of proteins, which are related to *Drosophila* Mothers against decapentaplegic (Mad) and *C. elegans* Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.[provided by RefSeq, Sep 2014],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.,PTM:Phosphorylated by BMP type 1 receptor kinase and by PRKX.,similarity:Belongs to the dwarfin/SMAD family.,similarity:Contains 1 MH1 (MAD homology 1) domain.,similarity:Contains 1 MH2 (MAD homology 2) domain.,subunit:Interacts with NEDD4L (By similarity). Interacts with RNF111 and AXIN1. Interacts with TGF-beta type I receptor superfamily members, SMAD1, HOXC8 and HOXC9. Interacts with STAMBP and PRKX.,tissue specificity:Ubiquitous in various organs, with higher levels in lung. Isoform B is up-regulated in diseased heart tissue.,

研究领域 (Research Area)

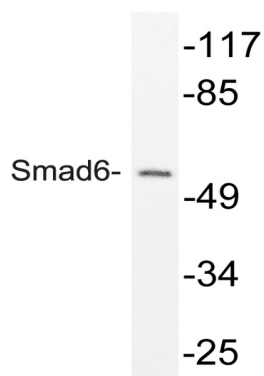
TGF-beta;

图片 (Image Data)



Immunohistochemistry analysis of Smad6 antibody in paraffin-embedded human lung carcinoma tissue.

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Western blot analysis of lysate from mouse brain, using Smad6 antibody.

注意事项 (Note)

For research use only .