

产品名称: Smad3 (phospho Ser204) Rabbit Polyclonal Antibody
产品货号: APRab05445



产品概述 (Summary)

产品名称 (Production Name)	Smad3 (phospho Ser204) 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,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
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)	SMAD3
别名 (Alternative Names)	SMAD3; MADH3; Mothers against decapentaplegic homolog 3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; JV15-2; SMAD family member 3; SMAD 3; Smad3; hSMAD3
基因 ID (Gene ID)	4088.0
蛋白 ID (SwissProt ID)	P84022.The antiserum was produced against synthesized peptide derived from human Smad3 around the phosphorylation site of Ser204. AA range:170-219

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稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	48kDa

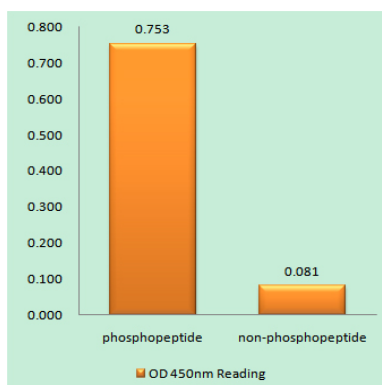
研究背景 (Background)

The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the *Drosophila* gene *mothers against decapentaplegic* (Mad) and the *C. elegans* gene *Sma*. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. [provided by RefSeq, Apr 2009],disease:Defects in SMAD3 may be a cause of colorectal cancer (CRC) [MIM:114500],domain:The MH2 domain is sufficient to carry protein nuclear export,function:Transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinase. SMAD3 is a receptor-regulated SMAD (R-SMAD),PTM:Phosphorylated on serine by TGF-beta and activin type 1 receptor kinases,similarity:Belongs to the dwarfin/SMAD family,similarity:Contains 1 MH1 (MAD homology 1) domain,similarity:Contains 1 MH2 (MAD homology 2) domain,subcellular location:In the cytoplasm in the absence of ligand. Migration to the nucleus when complexed with Smad4,subunit:Interacts with HGS. Interacts with NEDD4L in response to TGF-beta. Interacts with TTRAP (By similarity). Interacts with SARA (SMAD anchor for receptor activation); form trimers with another SMAD3 and the co-SMAD SMAD4. Interacts with JUN/FOS, vitamin D receptor, homeobox protein TGIF and TGIF2, PEBP2-alpha C subunit, CREB-binding protein (CBP), p300, SKI, SNON, ATF2, SMURF2, AIP1, DACH1 and TGFB11. Part of a complex consisting of AIP1, ACVR2A, ACVR1B and SMAD3. Found in a complex with SMAD2 and TRIM33 upon addition of TGF-beta. Interacts with SMAD2 and TRIM33. Found in a complex with SMAD3, Ran and XPO4. Interacts with XPO4. Interacts with LBXCOR1 and CORL2,

研究领域 (Research Area)

Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;WNT;WNT-T CELLTGF-beta;Adherens_Junction;Pathways in cancer;Colorectal cancer;Pancreatic cancer;Chronic myeloid leukemia;

图片 (Image Data)

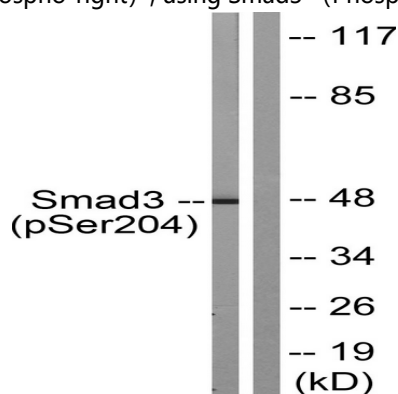


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-

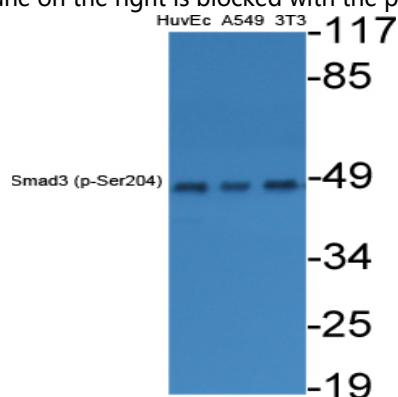
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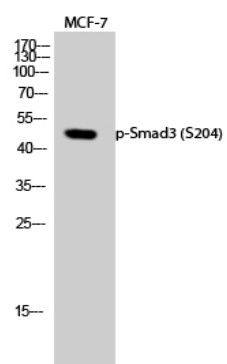
Phosphopeptide (Phospho-right) , using Smad3 (Phospho-Ser204) Antibody



Western blot analysis of lysates from NIH/3T3 cells treated with Serum 20% 15', using Smad3 (Phospho-Ser204) Antibody. The lane on the right is blocked with the phospho peptide.

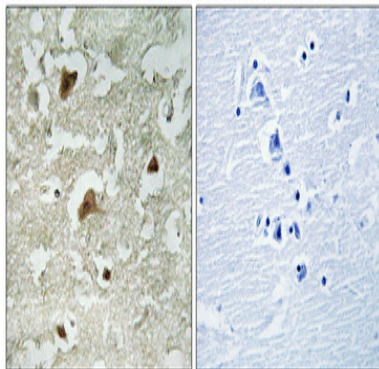


Western Blot analysis of various cells using Phospho-Smad3 (S204) Polyclonal Antibody diluted at 1: 500



Western Blot analysis of MCF-7 cells using Phospho-Smad3 (S204) Polyclonal Antibody diluted at 1: 500

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .