

产品名称: Smad3(4C9)Mouse Monoclonal Antibody
产品货号: AMM17995



产品概述 (Summary)

产品名称 (Production Name)	Smad3(4C9)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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
基因 ID (Gene ID)	4088.0
蛋白 ID (SwissProt ID)	P84022.Synthetic Peptide of Smad3 at AA range of 350-430

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:2000,IHC 1:200-1:1000,ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	52kDa

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

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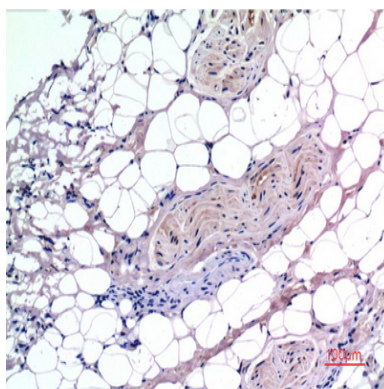


gene & mothers against decapentaplegic (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to 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 TGFB1I1. 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)

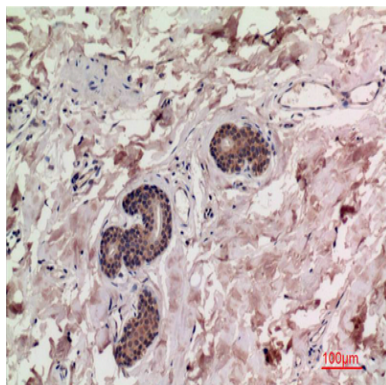
Cell_Cycle_G1S; Cell_Cycle_G2M_DNA; WNT; WNT-T CELL; TGF-beta; Adherens_Junction; Pathways in cancer; Colorectal cancer; Pancreatic cancer; Chronic myeloid leukemia;

图片 (Image Data)

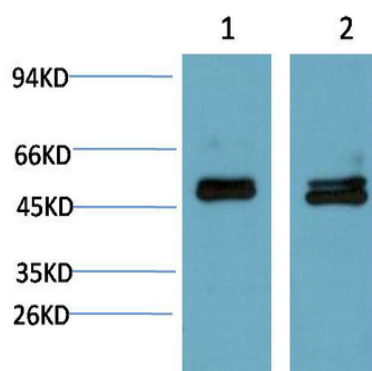


Immunohistochemical analysis of paraffin-embedded Human Liver Carcinoma Tissue using Smad3 Mouse mAb diluted at 1:200.

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Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Smad3 Mouse mAb diluted at 1:200.



Western blot analysis of 1) Mouse Brain Tissue Lysate, 2) Rat Brain Tissue Lysate using Smad3 Mouse mAb diluted at 1:2000.

注意事项 (Note)

For research use only .