

产品名称: Sp1 Rabbit Polyclonal Antibody
产品货号: APRab18146



产品概述 (Summary)

产品名称 (Production Name)	Sp1 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)	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)	SP1
别名 (Alternative Names)	SP1; TSFP1; Transcription factor Sp1
基因 ID (Gene ID)	6667.0
蛋白 ID (SwissProt ID)	P08047.The antiserum was produced against synthesized peptide derived from human SP1. AA range:706-755

产品应用 (Application)

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)	85kDa

研究背景 (Background)

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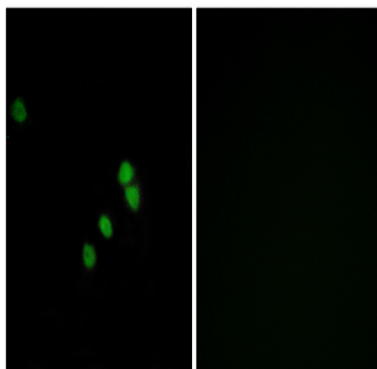


The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014],function: Binds to GC box promoters elements and selectively activates mRNA synthesis from genes that contain functional recognition sites. Can interact with G/C-rich motifs from serotonin receptor promoter.,PTM: O-glycosylated; contains N-acetylglucosamine side chains.,similarity: Belongs to the Sp1 C2H2-type zinc-finger protein family.,similarity: Contains 3 C2H2-type zinc fingers.,subunit: Interacts with ATF7IP, ATF7IP2, POGZ, HCFC1, AATF and PHC2. Interacts with varicella-zoster virus IE62 protein and HIV-1 Vpr. Interacts with SV40 VP2/3 proteins. Interacts with SV40 major capsid protein VP1; this interaction leads to a cooperativity between the two proteins in DNA binding.,

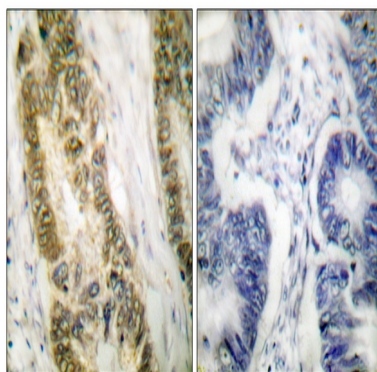
研究领域 (Research Area)

TGF-beta;Huntington's disease;

图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using SP1 Antibody. The picture on the right is blocked with the synthesized peptide.

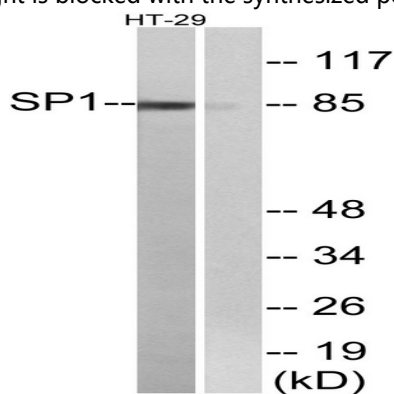


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using SP1 Antibody. The picture on

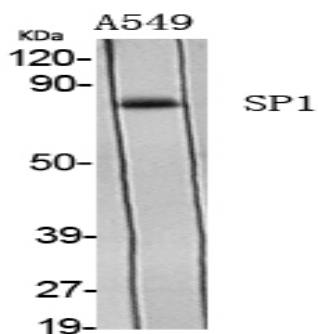
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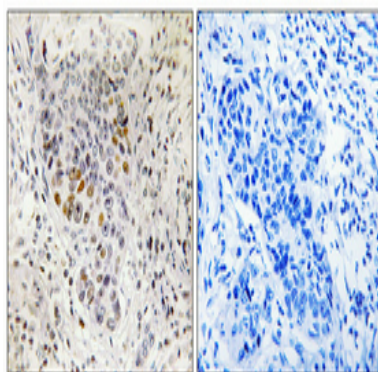
the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 cells, using SP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Sp1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .