

产品名称: Splicing factor 1 (phospho Ser82) Rabbit Polyclonal Antibody
产品货号: APRab05462



产品概述 (Summary)

产品名称 (Production Name)	Splicing factor 1 (phospho Ser82) 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,Monkey

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)	SF1
别名 (Alternative Names)	SF1; ZFM1; ZNF162; Splicing factor 1; Mammalian branch point-binding protein; BBP; mBBP; Transcription factor ZFM1; Zinc finger gene in MEN1 locus; Zinc finger protein 162
基因 ID (Gene ID)	7536.0
蛋白 ID (SwissProt ID)	Q15637.The antiserum was produced against synthesized peptide derived from human SF1 around the phosphorylation site of Ser82. AA range:48-97

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 1:5000-1:10000
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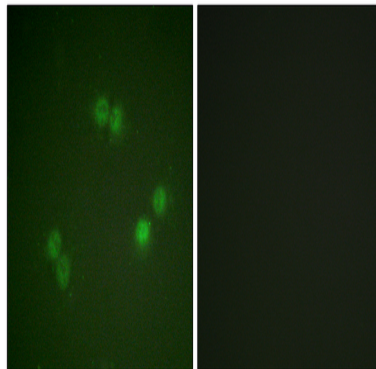
蛋白分子量 (Molecular Weight) 68kDa

研究背景 (Background)

This gene encodes a nuclear pre-mRNA splicing factor. The encoded protein specifically recognizes the intron branch point sequence at the 3' splice site, together with the large subunit of U2 auxiliary factor (U2AF), and is required for the early stages of spliceosome assembly. It also plays a role in nuclear pre-mRNA retention and transcriptional repression. The encoded protein contains an N-terminal U2AF ligand motif, a central hnRNP K homology motif and quaking 2 region which bind a key branch-site adenosine within the branch point sequence, a zinc knuckles domain, and a C-terminal proline-rich domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016], alternative products: Additional isoforms seem to exist, function: Necessary for the ATP-dependent first step of spliceosome assembly. Binds to the intron branch point sequence (BPS) 5'-UACUAAC-3' of the pre-mRNA. May act as transcription repressor., PTM: Phosphorylation on Ser-20 interferes with U2AF2 binding and spliceosome assembly. Isoform 6 is phosphorylated on Ser-463., similarity: Belongs to the BBP/SF1 family., similarity: Contains 1 CCHC-type zinc finger., similarity: Contains 1 KH domain., subunit: Binds U2AF2. Interacts with U1 snRNA. Binds EWSR1, FUS and TAF15., tissue specificity: Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart.,

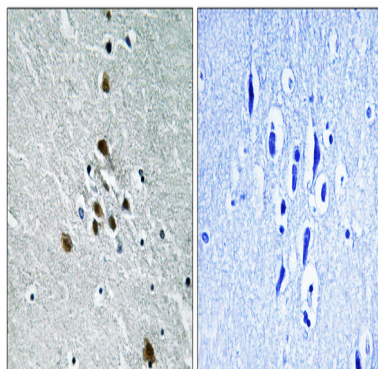
研究领域 (Research Area)

图片 (Image Data)

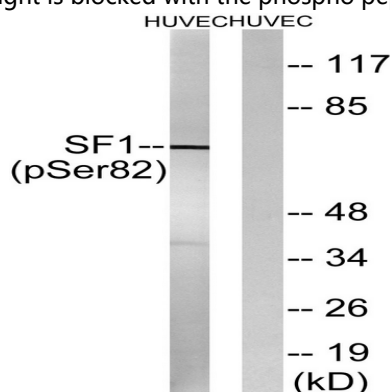


Immunofluorescence analysis of A549 cells, using SF1 (Phospho-Ser82) Antibody. The picture on the right is blocked with the phospho peptide.

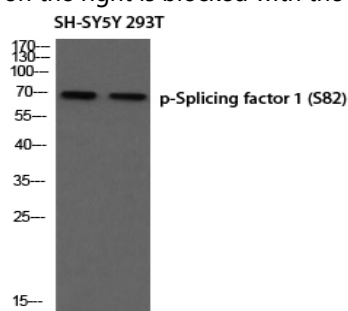
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Immunohistochemistry analysis of paraffin-embedded human brain, using SF1 (Phospho-Ser82) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with anisomycin 25ug/ml 30', using SF1 (Phospho-Ser82) Antibody. The lane on the right is blocked with the phospho peptide.



Western blot analysis of SH-SY5Y 293T using p-Splicing factor 1 (S82) antibody. Antibody was diluted at 1:500

注意事项 (Note)

For research use only .