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SF1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14357C

Product Information

Application	WB, E
Primary Accession	Q15637
Other Accession	Q64213, NP_001171502.1, NP_001171501.1, NP_973724.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34088
Calculated MW	68330
Antigen Region	212-241

Additional Information

Gene ID	7536
Other Names	Splicing factor 1, Mammalian branch point-binding protein, BBP, mBBP, Transcription factor ZFM1, Zinc finger gene in MEN1 locus, Zinc finger protein 162, SF1, ZFM1, ZNF162
Target/Specificity	This SF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 212-241 amino acids from the Central region of human SF1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SF1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SF1
Synonyms	ZFM1, ZNF162

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.
Cellular Location	Nucleus.
Tissue Location	Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart

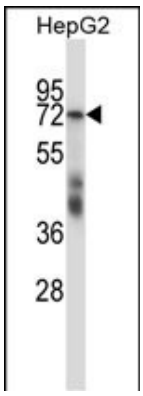
Background

This gene encodes a nuclear pre-mRNA splicing factor. The encoded protein specifically recognizes the intron branch point sequence and is required for the early stages of spliceosome assembly. Alternate splicing results in multiple transcript variants.

References

Jeyabalan, J., et al. PLoS ONE 5 (5), E10646 (2010) :
Corsini, L., et al. J. Biol. Chem. 284(1):630-639(2009)
Rino, J., et al. Mol. Cell. Biol. 28(9):3045-3057(2008)
Olejnik-Schmidt, A.K., et al. Arch. Virol. 153(5):983-990(2008)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

Images



SF1 Antibody (Center) (Cat. #AP14357c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the SF1 antibody detected the SF1 protein (arrow).

Citations

- The Epstein-Barr virus EBNA1 protein modulates the alternative splicing of cellular genes.