



Splicing factor 1 Monoclonal Antibody

Catalog No	YP-mAb-02037
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SF1
Immunogen	The antiserum was produced against synthesized peptide derived from human SF1. AA range:48-97
Specificity	Splicing factor 1 Monoclonal Antibody detects endogenous levels of Splicing factor 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BBP;D11S636;Mammalian branch point-binding protein;mBBP;splicing factor 1; SF1;ZFM1;ZNF162;Transcription factor ZFM1;Zinc finger gene in MEN1 locus; Zinc finger protein 162
Observed Band	68kD
Calculated Molecular Weight	68kD
Cell Pathway	Nucleus.
Tissue Specificity	Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart.
Function	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.,

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],

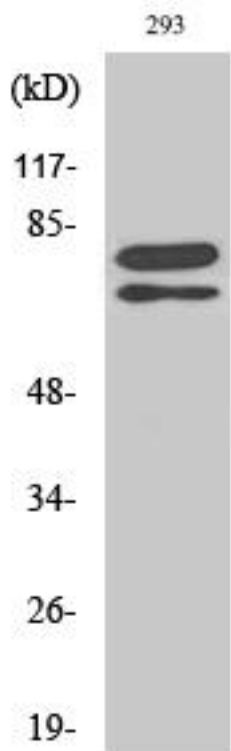
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Splicing factor 1 Monoclonal Antibody