

## Rabbit Anti-splicing factor 1/AF350 Conjugated antibody

SL17679R-AF350

<b>Product Name</b>	Anti-splicing factor 1/AF350
<b>Chinese Name</b>	AF350 标记的剪接因子 1 抗体
<b>Alias</b>	BBP; D11S636; Mammalian branch point-binding protein mBBP; OTTHUMP00000069749; OTTHUMP00000069750; OTTHUMP00000069752; splicing factor 1; SF01_HUMAN; Transcription factor ZFM1; ZFM1; Zinc finger gene in MEN1 locus; Zinc finger protein 162; ZNF162.
<b>Research Area</b>	Cell biology Neurobiology transcriptional regulatory factor Zinc finger protein Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig,Danio) ICC/IF=1:50-200,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	68kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration immunogen</b>	1mg/ml KLH conjugated synthetic peptide derived from human splicing factor 1
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b>

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. [provided by RefSeq, May 2010]

**Function:**

SF1 contains 1 KH domain, 1 CCHC type zinc finger, a nuclear transport domain and glutamine and proline rich regions. It is necessary for the ATP dependent first step of spliceosome assembly and binds to the intron branch point sequence (BPS) 5' UACUAAC 3' of the pre mRNA. It may act as transcription repressor. There are 6 named isoforms produced by alternative splicing.

**Subcellular Location:**

Nuclear

**Tissue Specificity:**

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

**Post-translational modifications:**

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.  
Contains 1 CCHC-type zinc finger.  
Contains 1 KH domain.

**Database links:**

[Entrez Gene: 7536](#) Human

[Entrez Gene: 22668](#) Mouse

[Omim: 601516](#) Human

[SwissProt: Q15637](#) Human

[SwissProt: Q64213](#) Mouse

[Unigene: 502829](#) Human



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**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.