

**Anti-splicing Factor 1 Antibody**  
Catalog # ABO11171**Specification**

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**Anti-splicing Factor 1 Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">Q15637</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Splicing factor 1(SF1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-splicing Factor 1 Antibody - 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

**Calculated MW**

68330 MW KDa

**Application Details**

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse, Rat<br>Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Rat, Human, Mouse<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse<br>

**Subcellular Localization**

Nucleus.

**Tissue Specificity**

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

**Protein Name**

Splicing factor 1

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human splicing factor 1(11-30aa DFPSKRRKRSRWNQDTMEQK), identical to the related rat and mouse sequences.

#### **Purification**

Immunogen affinity purified.

#### **Cross Reactivity**

No cross reactivity with other proteins

#### **Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

#### **Sequence Similarities**

Belongs to the BBP/SF1 family.

### **Anti-splicing Factor 1 Antibody - 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**

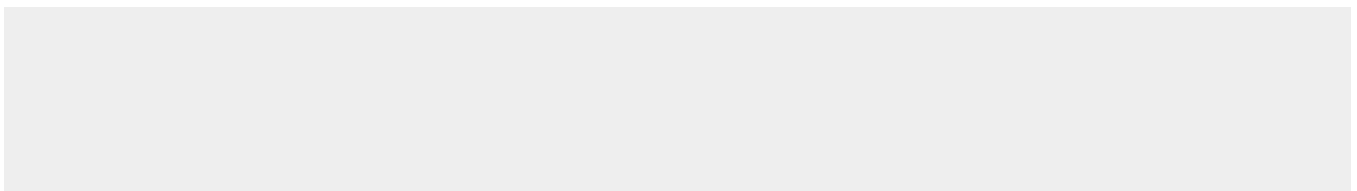
Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart

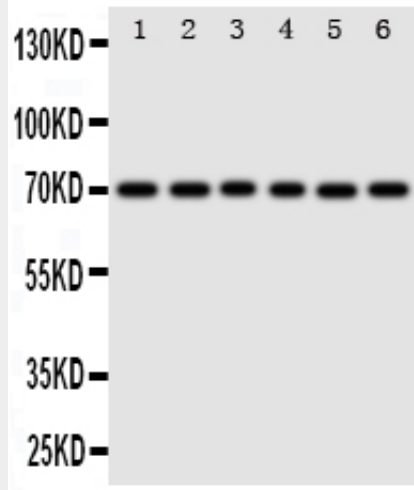
### **Anti-splicing Factor 1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

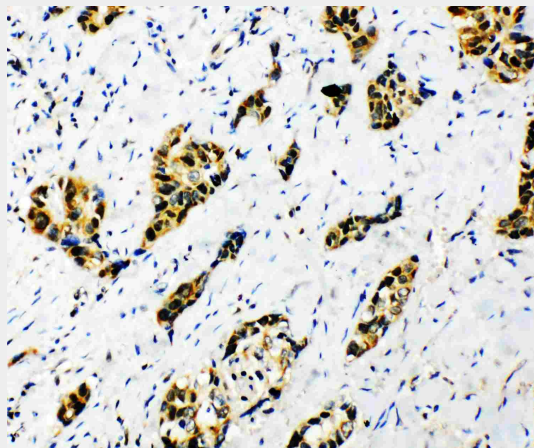
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-splicing Factor 1 Antibody - Images**

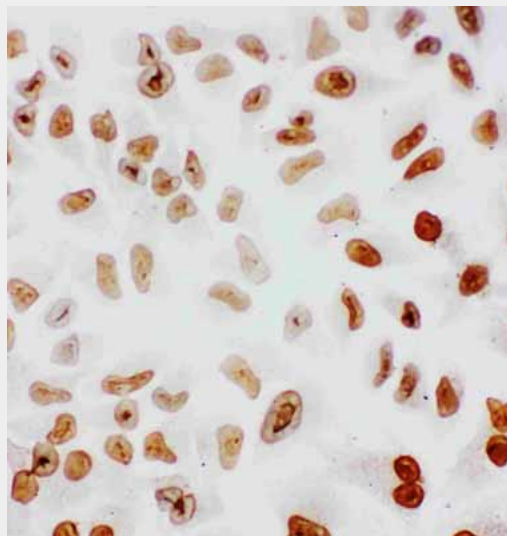




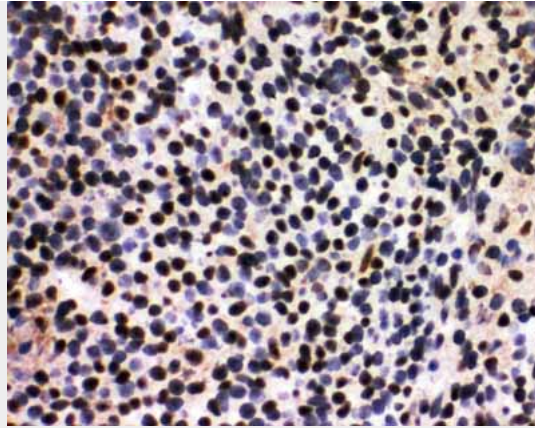
Anti-splicing factor 1 antibody, ABO11171, Western blotting All lanes: Anti splicing factor 1 (ABO11171) at 0.5ug/ml Lane 1: Rat Spleen Tissue Lysate at 50ug Lane 2: Rat Liver Tissue Lysate at 50ug Lane 3: PANC Whole Cell Lysate at 40ug Lane 4: COLO320 Whole Cell Lysate at 40ug Lane 5: SW620 Whole Cell Lysate at 40ug Lane 6: SKOV Whole Cell Lysate at 40ug Predicted bind size: 52KD Observed bind size: 70KD



Anti-splicing factor 1 antibody, ABO11171, IHC(P) IHC(P): Human Lung Cancer Tissue



Anti-splicing factor 1 antibody, ABO11171, ICC ICC: HELA Cell



Anti-splicing factor 1 antibody, ABO11171, IHC(F)IHC(F): Rat Spleen Tissue

### **Anti-splicing Factor 1 Antibody - Background**

SF1(splicing factor 1), also known as zinc finger protein 162(ZFM162), ZNF162, Transcription factor ZFM1, ZFM1, D11S636, Mammalian branch point-binding protein(BBP, mBBP), Zinc finger gene in MEN1 locus, is a protein that in humans is encoded by the SF1 gene. It is a predicted 623-amino acid protein. RT-PCR was used to show expression in the thyroid gland, pancreas, adrenal gland, and ovary. All of the ZNF162 isoforms contain a KH domain, a sequence motif present in proteins playing a major role in regulating cellular RNA metabolism.