

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

Application	WB, IHC, ICC
Primary Accession	Q15637
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
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Rat, Human, Mouse
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

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 Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

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.

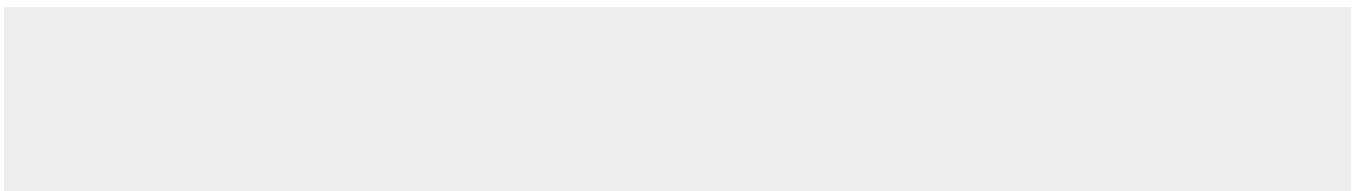
Tissue Location

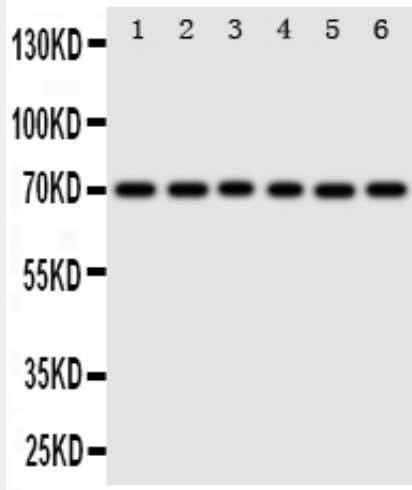
Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart

Anti-splicing Factor 1 Antibody - Protocols

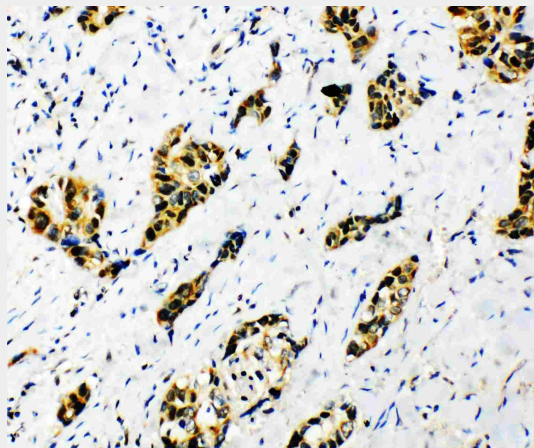
Provided below are standard protocols that you may find useful for product applications.

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

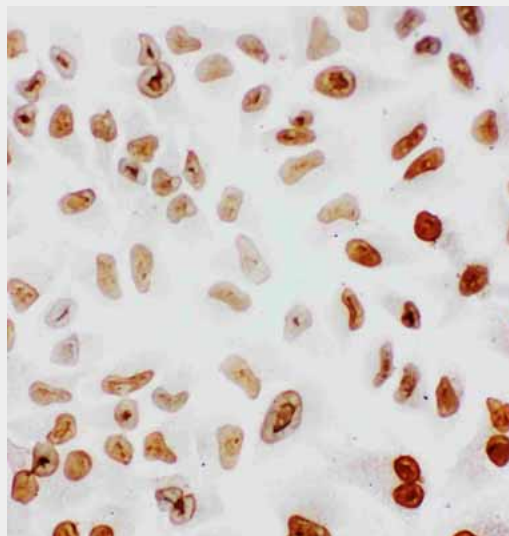
Anti-splicing Factor 1 Antibody - Images



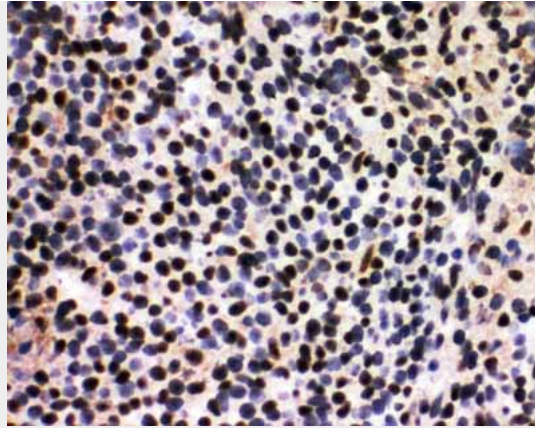
Anti-splicing factor 1 antibody, ABO11171, Western blotting All lanes: Anti splicing factor 1 (ABO11171) at 0.5ug/ml Lane 1: Rat Spleen Tissue Lysate at 50ug Lane 2: Rat Liver Tissue Lysate at 50ug Lane 3: PANC Whole Cell Lysate at 40ug Lane 4: COLO320 Whole Cell Lysate at 40ug Lane 5: SW620 Whole Cell 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.