

Anti-splicing Factor 1 Antibody

Catalog # ABO11171

Product Information

Application	WB, IHC-P, IHC-F, 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.

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
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, Mouse, Rat Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml, Rat, Human, Mouse Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/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. .
Source	Eukaryota
Protein Name	Splicing factor 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human splicing factor 1(11-30aa DFPSKKRKRSRWNQDTMEQK), 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.

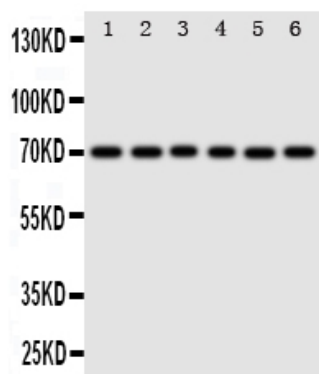
Protein Information

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

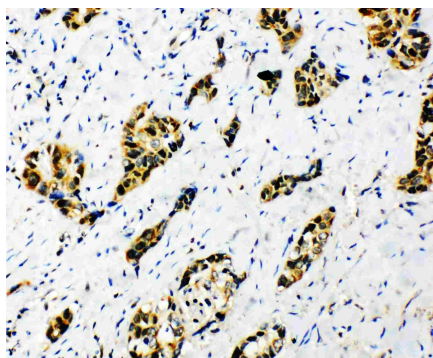
SF1(splicing factor 1), also known as zinc finger protein 162(ZFM162), ZNF162, Transcription factor ZFM1, ZFM1, D11S636, Mammalian branch point-binding protein(BBP, mBBP), Zinc finger gene in MEN1 locus, is a protein that in humans is encoded by the SF1 gene. It is predicted 623-amino acid protein. RT-PCR 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.

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

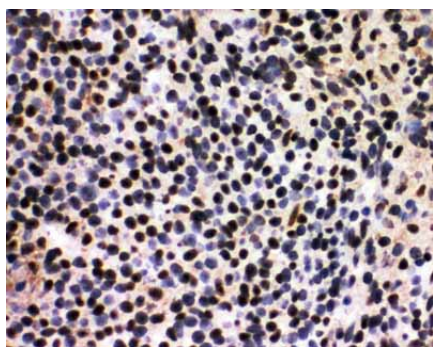
Anti-splicing factor 1 antibody, ABO11171, IHC(P)
 Human Lung Cancer Tissue



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



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



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