

Mouse splicing factor 1 Monoclonal Antibody | anti-SF1 antibody

Anti-splicing factor 1 Antibody Picoband (monoclonal, 2F5D10)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19677	Mouse	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

splicing factor 1; Monoclonal Antibody; Anti-splicing factor 1 Antibody Picoband (monoclonal; 2F5D10); anti-SF1 antibody

PRODUCT SPECIFICATIONS

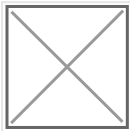
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	2F5D10
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SF1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat IHC-P: 2-5 ug/ml, Human, Mouse, Rat ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human, Mouse, Rat Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Mouse IgG for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E coli-derived human splicing factor 1 recombinant protein (Position: R160-Q266).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



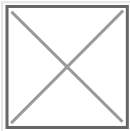
IHC (Immunohistochemistry)
Figure 14. IHC analysis of splicing factor 1 using anti-splicing factor 1 antibody (AAA19677).splicing factor 1 was detected in a paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-splicing factor 1 Antibody (AAA19677) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 13. IHC analysis of splicing factor 1 using anti-splicing factor 1 antibody (AAA19677).splicing factor 1 was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-splicing factor 1 Antibody (AAA19677) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 12. IHC analysis of splicing factor 1 using anti-splicing factor 1 antibody (AAA19677).splicing factor 1 was detected in a paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-splicing factor 1 Antibody (AAA19677) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 11. IHC analysis of splicing factor 1 using anti-splicing factor 1 antibody (AAA19677).splicing factor 1 was detected in a paraffin-embedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-splicing factor 1 Antibody (AAA19677) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



FCM (Flow Cytometry)
Figure 10. Flow Cytometry analysis of C6 cells using anti-splicing factor 1 antibody (AAA19677).Overlay histogram showing C6 cells stained with AAA19677 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-splicing factor 1 Antibody (AAA19677, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-mouse IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was mouse IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)
Figure 9. Flow Cytometry analysis of Neuro-2a cells using anti-splicing factor 1 antibody (AAA19677).Overlay histogram showing Neuro-2a cells stained with AAA19677 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-splicing factor 1 Antibody (AAA19677, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-mouse IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was mouse IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

ADDITIONAL INFORMATION

Related Product Information for anti-SF1 antibody	Splicing factor 1 also known as zinc finger protein 162 (ZFM162) is a protein that in humans is encoded by the SF1 gene. 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.
Product Categories/Family for anti-SF1 antibody	Primary Antibodies, Mouse Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	295842330
NCBI GeneID	7536
NCBI Accession #	NP_001171501.1

NCBI GenBank Nucleotide #	NM_001178030.1
UniProt Accession #	Q15637; Q14818; Q14819; Q15913; Q8IY00; Q92744; Q92745; Q969H7; Q9BW01; Q9UEI0; B7Z1Q1; C9JJE2
Molecular Weight	68,330 Da
NCBI Official Full Name	splicing factor 1 isoform 6
NCBI Official Synonym Full Names	splicing factor 1
NCBI Official Symbol	SF1
NCBI Official Synonym Symbols	BBP; MBBP; ZFM1; ZNF162; D11S636; ZCCHC25
NCBI Protein Information	splicing factor 1; zinc finger protein 162; transcription factor ZFM1; zinc finger gene in MEN1 locus; mammalian branch point-binding protein
UniProt Protein Name	Splicing factor 1
UniProt Gene Name	SF1
UniProt Synonym Gene Names	ZFM1; ZNF162; BBP; mBBP
UniProt Entry Name	SF01_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/splicing-factor-1-antibody-clone-2f5d10-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19677>