

Anti-SF1 Antibody

Rabbit polyclonal antibody to SF1 Catalog # AP61122

Specification

Anti-SF1 Antibody - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Calculated MW

WB, IF/IC, IHC
015637
064213
Human, Mouse
Rabbit
Polyclonal
68330

Anti-SF1 Antibody - Additional Information

Gene ID 7536

Other Names

ZFM1; ZNF162; Splicing factor 1; Mammalian branch point-binding protein; BBP; mBBP; Transcription factor ZFM1; Zinc finger gene in MEN1 locus; Zinc finger protein 162

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SF1. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-SF1 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

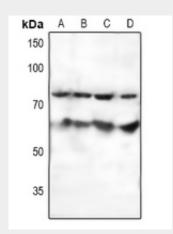
Detected in lung, ovary, adrenal gland, colon, kidney, muscle, pancreas, thyroid, placenta, brain, liver and heart

Anti-SF1 Antibody - Protocols

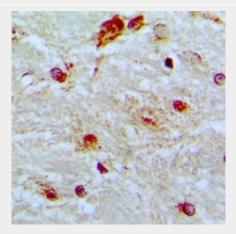
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SF1 Antibody - Images



Western blot analysis of SF1 expression in HEK293T (A), Hela (B), K562 (C), LO2 (D) whole cell lysates.



Immunohistochemical analysis of SF1 staining in human brain formalin fixed paraffin embedded



tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of SF1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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