

<http://www.uniprot.org/citations/34822310> target="_blank">34822310). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch-site adenosine, the nucleophile for the first step of splicing (PubMed:32494006, PubMed:34822310). Within the 17S U2 SnRNP complex, SF3B1 is part of the SF3B subcomplex, which is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence in pre-mRNA (PubMed:12234937). Sequence independent binding of SF3A and SF3B subcomplexes upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937). May also be involved in the assembly of the 'E' complex (PubMed:10882114). Also acts as a component of the minor spliceosome, which is involved in the splicing of U12-type introns in pre-mRNAs (PubMed:15146077, PubMed:33509932). Together with other U2 snRNP complex components may also play a role in the selective processing of microRNAs (miRNAs) from the long primary miRNA transcript, pri-miR-17-92 (By similarity).

Cellular Location

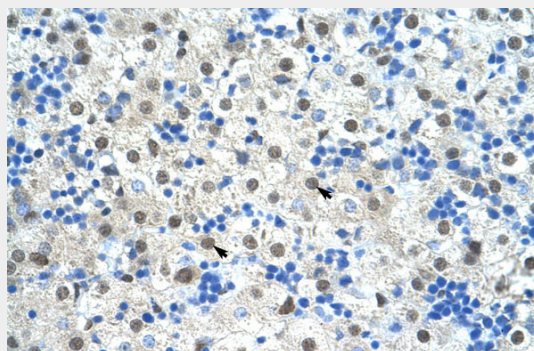
Nucleus. Nucleus speckle. Note=During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm

SF3B1 antibody - N-terminal region - Protocols

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

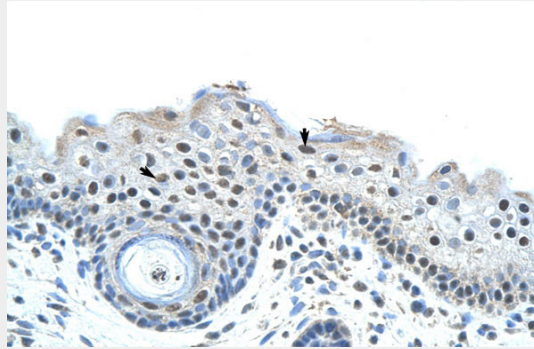
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SF3B1 antibody - N-terminal region - Images

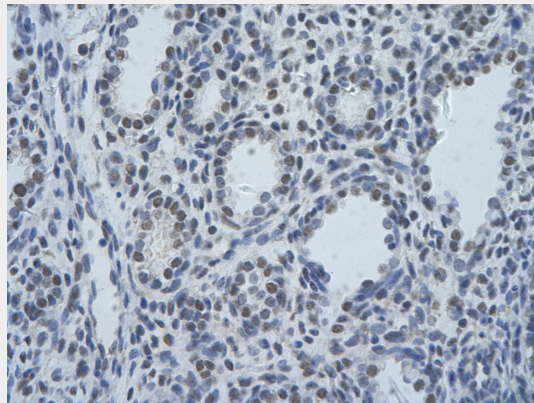


Rabbit Anti-SF3B1 Antibody
Paraffin Embedded Tissue: Human Liver
Cellular Data: Hepatocytes

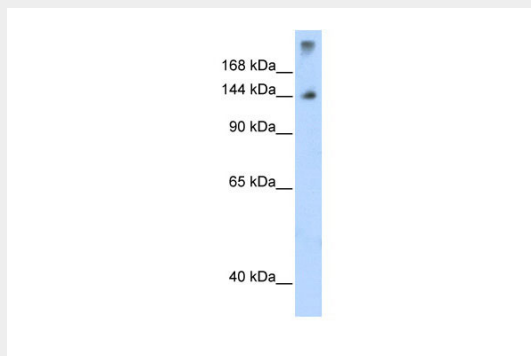
Antibody Concentration: 4.0-8.0 $\mu\text{g/ml}$
Magnification: 400X



Rabbit Anti-SF3B1 Antibody
Paraffin Embedded Tissue: Human Skin
Cellular Data: Epidermal cells
Antibody Concentration: 16 $\mu\text{g/ml}$
Magnification: 400X



Rabbit Anti-SF3B1 Antibody
Paraffin Embedded Tissue: Human alveolar cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 $\mu\text{g/ml}$
Magnification: 400X



WB Suggested Anti-SF3B1 Antibody Titration: 1.25 $\mu\text{g/ml}$
Positive Control: Human Thymus

SF3B1 antibody - N-terminal region - References

Beausoleil, S.A., (2004) Proc. Natl. Acad. Sci. U.S.A. 101 (33), 12130-12135 Reconstitution and

Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.