

Product datasheet for **TA345713**

SAP155 (SF3B1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SF3B1 antibody: synthetic peptide directed towards the N terminal of human SF3B1. Synthetic peptide located within the following region: MAKIAKTHEDIAEQIREIQGKKAALDEAQGVGLDSTGYDQEIYGGSDSR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	143 kDa
Gene Name:	splicing factor 3b subunit 1
Database Link:	NP_036565 Entrez Gene 23451 Human O75533



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Background:

SF3B1 is subunit 1 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. The carboxy-terminal two-thirds of subunit 1 have 22 non-identical, tandem HEAT repeats that form rod-like, helical structures. This gene encodes subunit 1 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. The carboxy-terminal two-thirds of subunit 1 have 22 non-identical, tandem HEAT repeats that form rod-like, helical structures. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms:

Hsh155; MDS; PRP10; PRPF10; SAP155; SF3b155

Note:

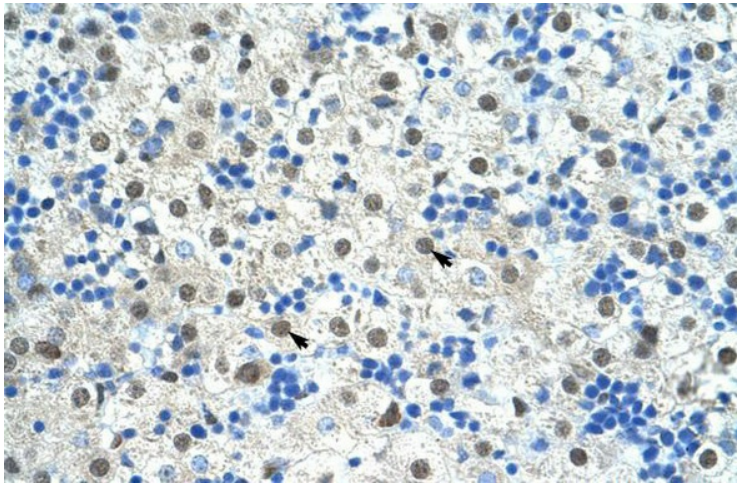
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

Protein Pathways:

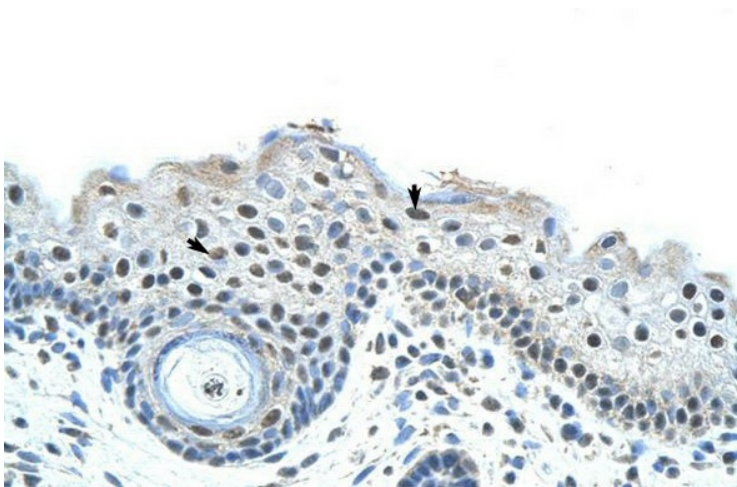
Spliceosome

Product images:

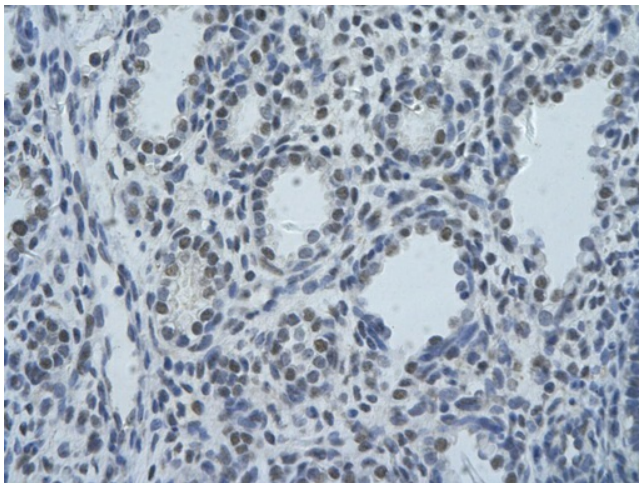
WB Suggested Anti-SF3B1 Antibody Titration: 1.25 ug/ml; Positive Control: Human Thymus



Rabbit Anti-SF3B1 Antibody; Paraffin Embedded Tissue: Human Liver; Cellular Data: Hepatocytes; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X



Rabbit Anti-SF3B1 Antibody; Paraffin Embedded Tissue: Human Skin; Cellular Data: Epidermal cells; Antibody Concentration: 16 ug/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 ug/ml; Magnification: 400X