

## Rabbit SAP155 Polyclonal Antibody | anti-SF3B1 antibody

SAP155 Antibody

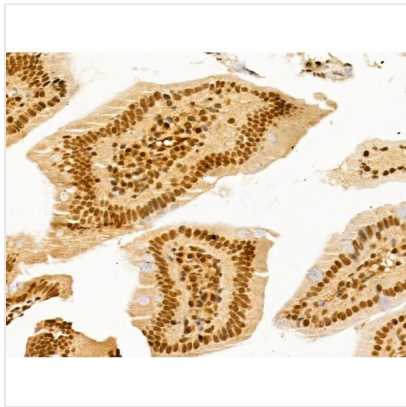
| CATALOG # | HOST   | REACTIVITY                                                                                                                                          | APPLICATIONS |
|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| AAA31255  | Rabbit | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%) | ELISA        |

### PRODUCT SYNONYMS

SAP155; Polyclonal Antibody; SAP155 Antibody; Hsh 155; MDS; Pre mRNA processing 10; Pre mRNA splicing factor SF3b 155 kDa subunit; PRP 10; PRP10; PRPF 10; PRPF10; SAP 155; SF3B 1; SF3b155; Spliceosome associated protein 155; Splicing factor 3b subunit 1 155kDa; Splicing factor 3B subunit 1; anti-SF3B1 antibody

### PRODUCT SPECIFICATIONS

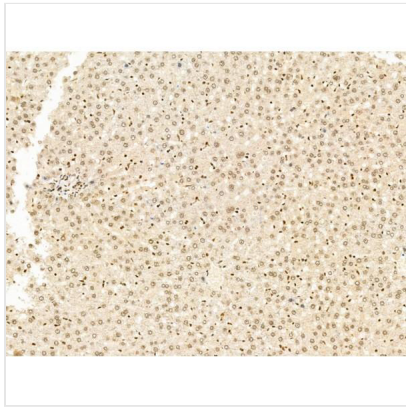
|                                                 |                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%) |
| Clonality                                       | Polyclonal                                                                                                                                          |
| Isotype                                         | IgG                                                                                                                                                 |
| Specificity                                     | SAP155 Antibody detects endogenous levels of total SAP155.                                                                                          |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).                            |
| Form/Format                                     | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol                                             |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                              |
| Sequence Length                                 | 1304                                                                                                                                                |
| Applicable Applications for anti-SF3B1 antibody | ELISA                                                                                                                                               |
| Application Notes                               | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:100-1:500<br>ICC: 1:100-1:500<br>ELISA(peptide): 1:20,000-1:40,000                                     |
| Immunogen                                       | A synthesized peptide derived from human SAP155, corresponding to a region within N-terminal amino acids.                                           |
| Fragment                                        | Fab fragment                                                                                                                                        |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                   |



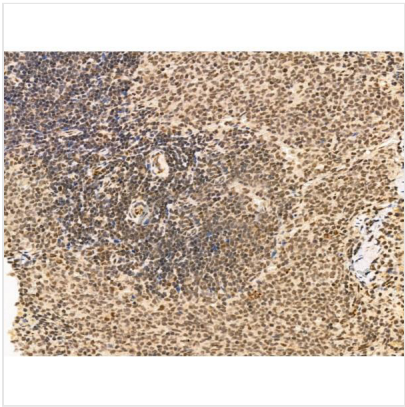
**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**IHC (Immunohistochemistry-Paraffin)**  
AAA31255 at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SF3B1 antibody | <p>Function: Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex (PubMed:27720643). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937). 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). May also be involved in the assembly of the 'E' complex (PubMed:10882114). Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron (PubMed:15146077).</p> <p>Post Translational Modifications: Phosphorylated. Phosphorylation occurs concomitantly with the splicing catalytic steps. Phosphorylation on Thr-244, Thr-248 and Thr-313 by cyclin-dependent kinases promotes interaction with PPP1R8 during mitosis.Citrullinated by PADI4.</p> <p>Subcellular Location: Nucleus. Nucleus speckle. Note: During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm.</p> <p>Subunit Structure: Component of the B-WICH complex, at least composed of SMARCA5/SNF2H, BAZ1B/WSTF, SF3B1, DEK, MYO1C, ERCC6, MYBBP1A and DDX21 (PubMed:16603771). Identified in the spliceosome C complex (PubMed:11991638). Component of the U11/U12 snRNPs that are part of the U12-type spliceosome (PubMed:15146077). Component of splicing factor SF3B complex which is composed of at least eight subunits; SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6, PHF5A and DDX42 (PubMed:12234937, PubMed:12738865, PubMed:28541300, PubMed:27720643). SF3B associates with the splicing factor SF3A and a 12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). Interacts directly with the splicing factor U2AF (PubMed:12234937). Within the SF3B complex interacts directly (via HEAT domain) with SF3B3, SF3B5 and (via HEAT domain) with PHF5A (PubMed:27720643). Interacts directly with SF3B6 (PubMed:16432215, Ref.36, PubMed:21062891). The SF3B complex composed of SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6 and PHF5A interacts with U2AF2 (PubMed:27720643). Phosphorylated form interacts with PPP1R8 (PubMed:12105215). Interacts with PQBP1 (PubMed:23512658). Interacts with RBM17 (PubMed:17589525). Interacts with RBM39 (PubMed:24795046). Interacts with SETX (PubMed:21700224). Interacts with RBM15 (PubMed:26575292).</p> <p>Similarity: Belongs to the SF3B1 family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54112117                                                                                       |
| NCBI GeneID                      | 23451                                                                                          |
| NCBI Accession #                 | NP_036565.2                                                                                    |
| NCBI GenBank Nucleotide #        | NP_036565.2                                                                                    |
| UniProt Accession #              | O75533                                                                                         |
| Molecular Weight                 | Observed Molecular Weight: (Observed)145kD.<br>Predicted Molecular Weight: (Calculated)146kDa. |
| NCBI Official Full Name          | splicing factor 3B subunit 1 isoform 1                                                         |
| NCBI Official Synonym Full Names | splicing factor 3b subunit 1                                                                   |
| NCBI Official Symbol             | SF3B1                                                                                          |
| NCBI Official Synonym Symbols    | MDS; PRP10; Hsh155; PRPF10; SAP155; SF3b155                                                    |
| NCBI Protein Information         | splicing factor 3B subunit 1                                                                   |
| UniProt Protein Name             | Splicing factor 3B subunit 1                                                                   |
| UniProt Gene Name                | SF3B1                                                                                          |
| UniProt Synonym Gene Names       | SAP155; SF3b155; SAP 155                                                                       |
| UniProt Entry Name               | SF3B1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sap155-antibody-elisa/31255>