


## Product datasheet

### Anti-SF3B1 antibody [EPR11986] ab172634

Recombinant RabMAb

★☆☆☆☆ **1 Abreviews** **13 References** **6 Images**

#### Overview

<b>Product name</b>	Anti-SF3B1 antibody [EPR11986]
<b>Description</b>	Rabbit monoclonal [EPR11986] to SF3B1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IHC-P, WB, ICC/IF <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide within Human SF3B1 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">O75533</a>
<b>Positive control</b>	WB: HeLa, Jurkat, K562 and Ramos cell lysates. IHC-P: Human colon and glioma tissues. ICC/IF: HeLa cells. Flow Cyt (intra): HeLa cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a> .

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR11986
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab172634 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

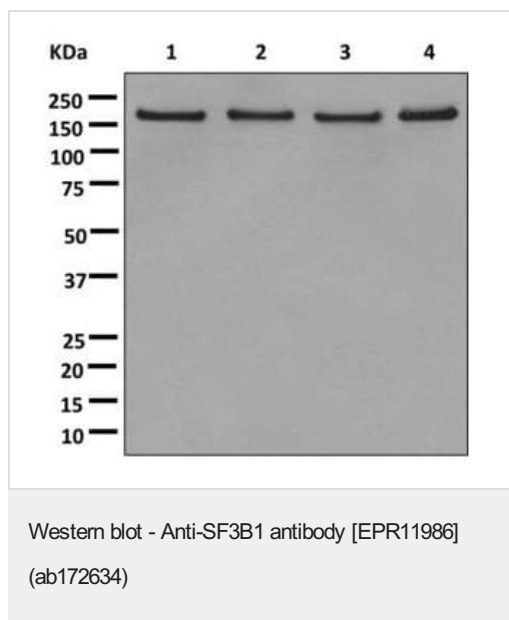
Application	Abreviews	Notes
<b>Flow Cyt (Intra)</b>		1/2000.
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 146 kDa.
<b>ICC/IF</b>		1/250 - 1/500.

**Application notes** Is unsuitable for IP.

## Target

<b>Relevance</b>	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.
<b>Cellular localization</b>	Nucleus speckle. Note=During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm.

## Images



**All lanes :** Anti-SF3B1 antibody [EPR11986] (ab172634) at 1/1000 dilution

**Lane 1 :** HeLa lysate

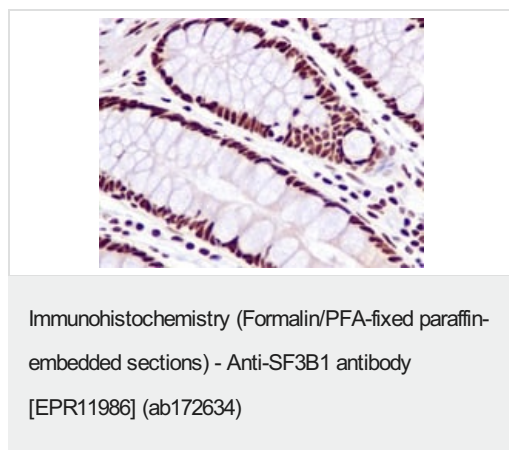
**Lane 2 :** Jurkat lysate

**Lane 3 :** K562 lysate

**Lane 4 :** Ramos lysate

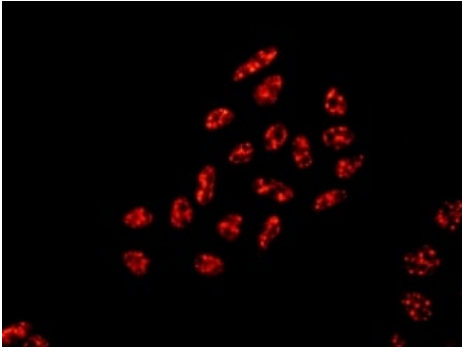
Lysates/proteins at 10 µg per lane.

**Predicted band size:** 146 kDa



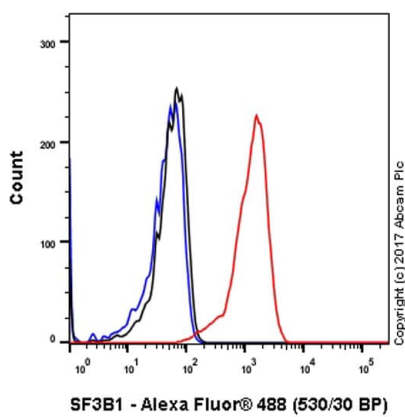
Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human colon tissue labeling SF3B1 with ab172634 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



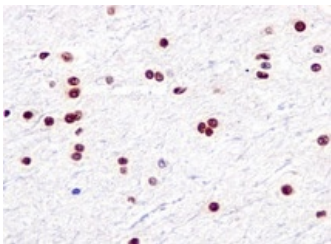
Immunocytochemistry/ Immunofluorescence - Anti-SF3B1 antibody [EPR11986] (ab172634)

Immunofluorescence analysis of HeLa cells labeling SF3B1 with ab172634 at 1/250 dilution.



Flow Cytometry (Intracellular) - Anti-SF3B1 antibody [EPR11986] (ab172634)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling SF3B1 (red) with ab172634 at a 1/2000 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG ([ab172730](#)). Blue (unlabeled control) - Cells without incubation with the primary and secondary antibodies.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SF3B1 antibody [EPR11986] (ab172634)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human glioma tissue labeling SF3B1 with ab172634 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-SF3B1 antibody [EPR11986] (ab172634)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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