**Anti-SF3B3 antibody ab96683**

**Product name**: Anti-SF3B3 antibody

**Description**: Rabbit polyclonal to SF3B3

**Host species**: Rabbit

**Tested applications**: Suitable for: WB, IHC-P, ICC/IF

**Species reactivity**
- Reacts with: Human
- Predicted to work with: Mouse, Zebrafish

**Immunogen**: Synthetic peptide containing a sequence corresponding to a region within amino acids 1154-1217 (PLCGRDHLSF RSYYFPVKNV IDGDLEOFN SMEPNKQKNV SEELDRTPPE VSKKLEDIRT RYAF) of Human SF3B3 (NP_036558).

**Positive control**: HeLa whole cell lysate (ab150035); Saos 2; H1299 cell lysate

**Properties**

**Form**: Liquid

**Storage instructions**: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Storage buffer**: pH: 7.00
- Preservative: 0.025% Proclin
- Constituents: PBS, 1% BSA, 20% Glycerol

**Purity**: Immunogen affinity purified

**Clonality**: Polyclonal

**Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab96683 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Subunit of the splicing factor SF3B 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. May also be involved in the assembly of the ‘E’ complex. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron.

Sequence similarities
Belongs to the RSE1 family.

Cellular localization
Nucleus.

Images

Western blot - Anti-SF3B3 antibody (ab96683) at 1/3000 dilution + HeLa whole cell lysate at 30 µg

**Predicted band size**: 136 kDa

5% SDS-PAGE
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SF3B3 antibody (ab96683)

ab96683, at 1/100 dilution, staining SF3B3 in paraffin-embedded Saos-2 by Immunohistochemistry.

Immunocytochemistry/ Immunofluorescence - Anti-SF3B3 antibody (ab96683)

ICC/IF image of ab96683 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab96683, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899 Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors