

Anti-SF3B3 Antibody (4H951)

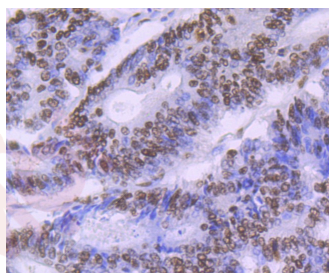
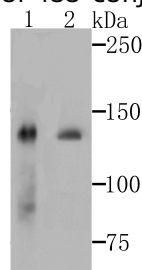
Product Details

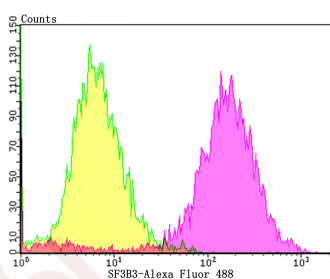
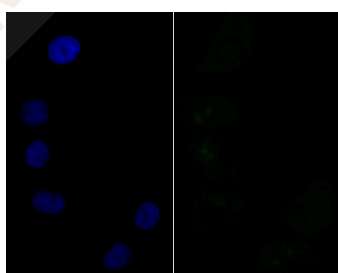
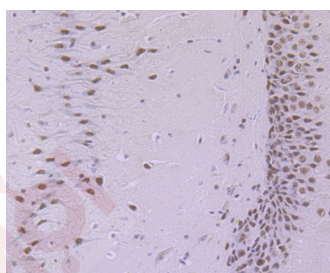
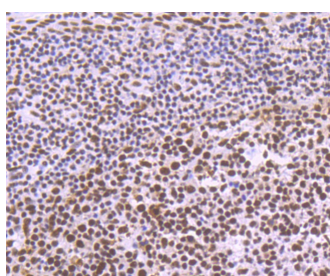
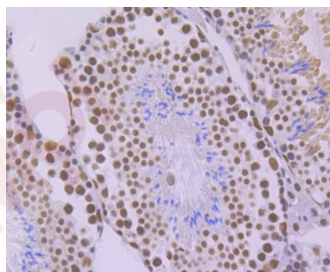
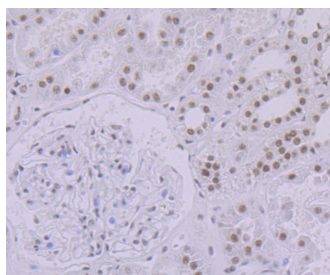
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 136 kDa.
Clone:	4H951
Purification:	ProA affinity purified

Applications

1. Western blot analysis of SF3B3 on Jurkat and Hela cells lysates using anti-SF3B3 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.
7. ICC staining SF3B3 (green) in A549 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. Flow cytometric analysis of LOVO cells with SF3B3 antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Verified Activity:





Application: FCM, ICC, IHC, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC: 1:50-100; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: within the C-terminus of human SF3B3

Antigen Species: Human

Uniprot ID: Q15393

Synonyms: Splicing factor 3B subunit 3; Pre-mRNA-splicing factor SF3b 130 kDa subunit (SF3b130); Spliceosome-associated protein 130 (SAP 130); SF3B3

Research Background

SF3B is a U2 snRNP-associated protein complex essential for spliceosome assembly. SF3B contains the spliceosomal proteins SAP 49, SAP 130 (also known as SF3B3), SAP 145 and SAP 155. SF3B3, SAP 145 and SAP 155 are present in a protein complex in HeLa nuclear extracts and associate with one another. While SF3B3 and SAP 155 interact with each other (directly or indirectly) within this complex, SAP 49 and SAP 145 are known to interact directly with each other. Unexpectedly, the SAP 49-SAP 145 protein-protein interaction requires the amino-terminus of SAP 49, which contains two RNA-recognition motifs. The observation that SAP 49 and SAP 145 interact directly with both U2 snRNP and the pre-mRNA suggests that this protein complex plays a role in tethering U2 snRNP to the branch site.

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