

SF3B3 Rabbit mAb

Catalog No: #49907

Package Size: #49907-1 50ul #49907-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

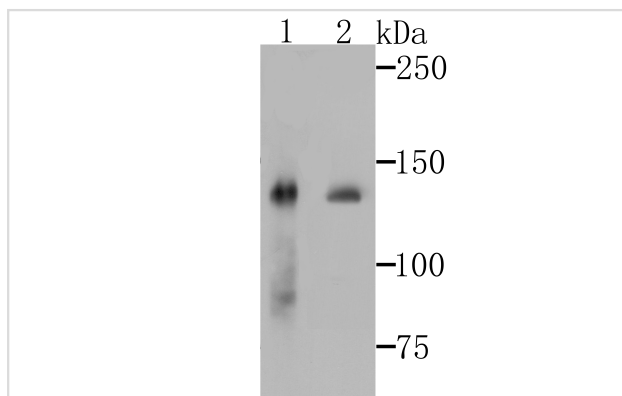
Description

Product Name	SF3B3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG63-53
Purification	ProA affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within the C-terminus of human SF3B3.
Other Names	KIAA0017 antibody Pre mRNA splicing factor SF3b 130 kDa subunit antibody Pre-mRNA-splicing factor SF3b 130 kDa subunit antibody RSE1 antibody SAP 130 antibody SAP130 antibody SF3b130 antibody SF3B3 antibody SF3B3_HUMAN antibody Spliceosome associated protein 130 antibody Spliceosome-associated protein 130 antibody Splicing factor 3b subunit 3 130kD antibody Splicing factor 3B subunit 3 antibody STAF130 antibody
Accession No.	Swiss-Prot#:Q15393
Uniprot	Q15393
GeneID	23450;
Calculated MW	136 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

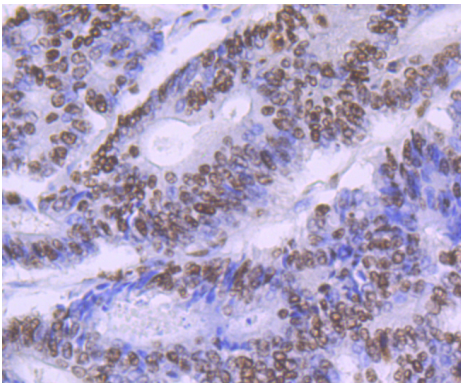
Application Details

WB: 1:500-1:1,000IHC: 1:50-1:200 ICC: 1:50-1:100FC: 1:50-1:100

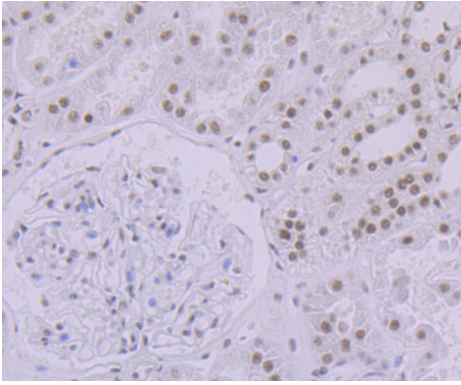
Images



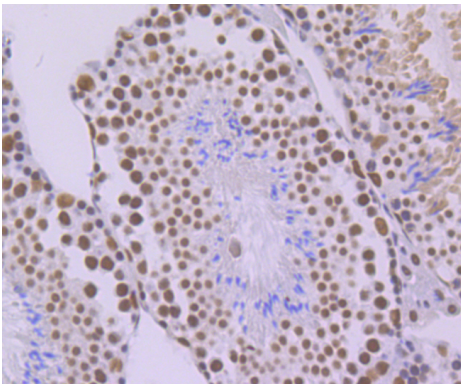
Western blot analysis of SF3B3 on Jurkat and Hela cells lysates using anti-SF3B3 antibody at 1/1,000 dilution.



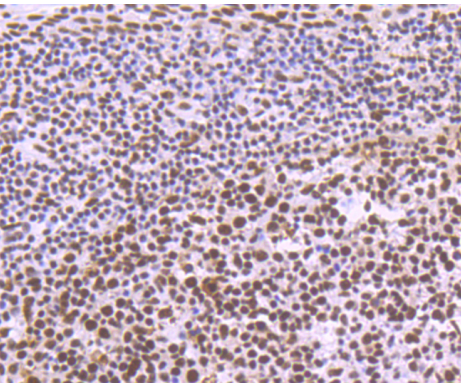
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.



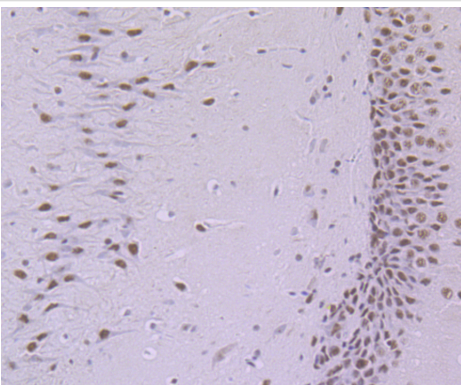
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.



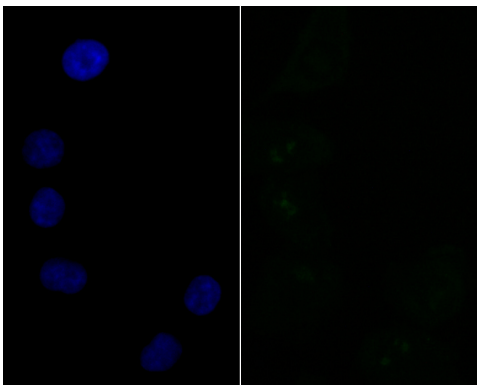
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.



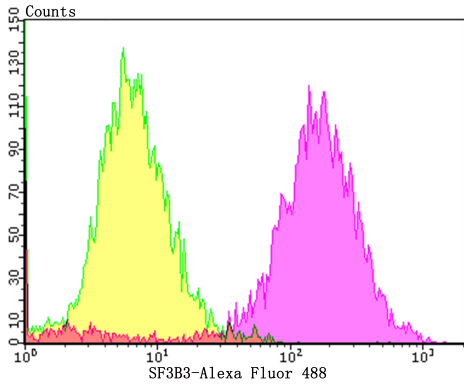
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-SF3B3 antibody. Counter stained with hematoxylin.



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.



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.

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.

References

Note: This product is for in vitro research use only