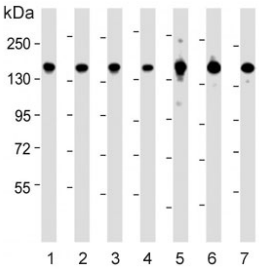
Splicing factor 3B subunit 1 Antibody / SF3B1 (F54673)

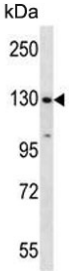
Catalog No.	Formulation	Size
F54673-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54673-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

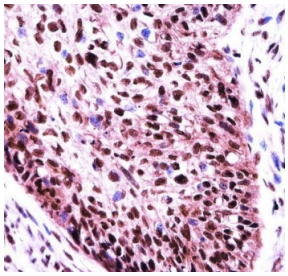
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	O75533
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This Splicing factor 3B subunit 1 antibody is available for research use only.



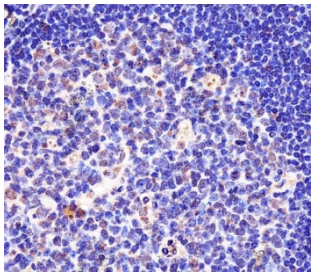
Western blot testing of 1) human PANC-1, 2) human HeLa, 3) human Jurkat, 4) mouse NIH 3T3, 5) human H-4-II-E, 6) human A431 and 7) human HepG2 cell lysate with Splicing factor 3B subunit 1 antibody. Predicted molecular weight ~146 kDa.



Western blot testing of human CCRF-CEM cell lysate with Splicing factor 3B subunit 1 antibody. Predicted molecular weight ~146 kDa.



IHC testing of FFPE human esophagus carcinoma tissue with Splicing factor 3B subunit 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human tonsil tissue with Splicing factor 3B subunit 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

This gene encodes 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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq].

Application Notes

The stated application concentrations are suggested starting points. Titration of the Splicing factor 3B subunit 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 374-402 from the human protein was used as the immunogen for the Splicing factor 3B subunit 1 antibody.

Storage

Aliquot the Splicing factor 3B subunit 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.