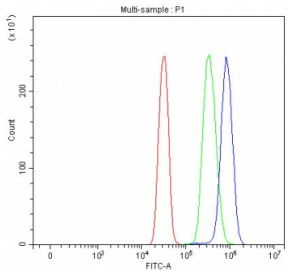
SF3b145 Antibody / SAP145 / Splicing factor 3B subunit 2 (RQ7608)

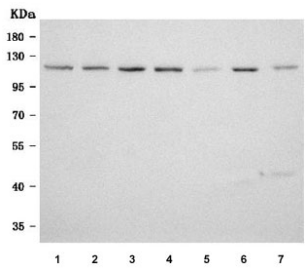
Catalog No.	Formulation	Size
RQ7608	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13435
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SF3b145 antibody is available for research use only.



Flow cytometry testing of human SiHa cells with SF3b145 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SF3b145 antibody.



Western blot testing of 1) human Jurkat, 2) human HeLa, 3) human 293T, 4) human K562, 5) rat brain, 6) rat RH35, 7) mouse NIH 3T3 cell lysate with SF3b145 antibody. Predicted molecular weight ~100 kDa but commonly observed at up to ~145 kDa.

Description

Splicing factor 3B subunit 2 is a protein that in humans is encoded by the SF3B2 gene. This gene encodes subunit 2 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. Subunit 2 associates with pre-mRNA upstream of the branch site at the anchoring site. Subunit 2 also interacts directly with subunit 4 of the splicing factor 3b complex. Subunit 2 is a highly hydrophilic protein with a proline-rich N-terminus and a glutamate-rich stretch in the C-terminus.

Application Notes

Optimal dilution of the SF3b145 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H23-E832) was used as the immunogen for the SF3b145 antibody.

Storage

After reconstitution, the SF3b145 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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