

Recombinant SF3B3 Monoclonal Antibody

catalog number: **AN301841L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

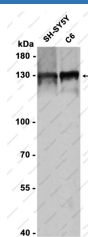
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human SF3B3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111463
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

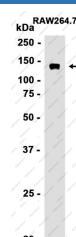
WB	1:1000
IHC-P	1:500-1:2000
ICC/IF	1:200-1:500
IP	1:50
FCM	1:100-1:200

Data



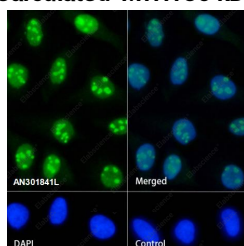
Western blot analysis of SH-SY5Y and C6 cell lysates using SF3B3 Antibody (AN301841L) at a dilution of 1:1000.

Observed-MW:136 kDa
Calculated-MW:136 kDa



Western blot analysis of RAW264.7 cell lysates using SF3B3 Antibody (AN301841L) at a dilution of 1:1000.

Observed-MW:136 kDa
Calculated-MW:136 kDa



Immunofluorescence analysis of HeLa cells using SF3B3 Antibody(AN301841L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.6

SF3B3 is one of four proteins for SF3B, which is involved in RNA splicing. Introns are removed from nuclear pre-mRNA in 2-step transesterification reactions. Splicing occurred in a large ribonucleoprotein particle, called the spliceosome. Spliceosomal intermediate complexes form on pre-mRNA in the order E, A, B, and C, with the catalytic reactions occurring in complex C. U2 small nuclear ribonucleoproteins are one of the proteins essential for spliceosome assembly and mRNA splicing. Functional U2 snRNP is composed of a 12S unit and 2 splicing factors, SF3A, which is composed of 3 proteins, and SF3B, which composed of 4 proteins. SF3B3 is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence(BPS) in pre-mRNA.