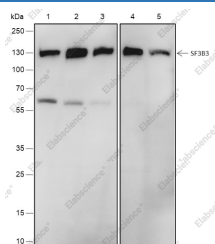


Recombinant SF3B3 Monoclonal Antibody

catalog number: **AN301841L**

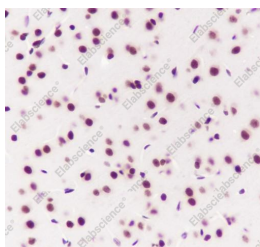
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

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

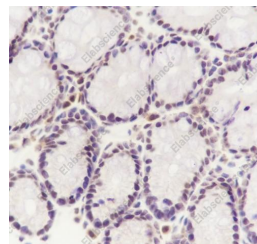


Western Blot with SF3B3 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Jurkat, Lane 3: HEK-293, Lane 4: RAW 264.7, Lane 5: C6

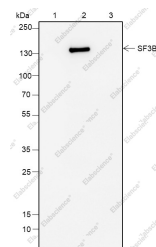
Observed-MW:135 kDa
Calculated-MW:135 kDa



Immunohistochemistry of paraffin-embedded Rat cerebrum using SF3B3 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse colon using SF3B3 Monoclonal Antibody at dilution of 1:2000.



Immunoprecipitation analysis using anti-SF3B3 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using SF3B3 Monoclonal Antibody at a dilution of 1:25. Lane 1: 10% Input, Lane 2: SF3B3 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:135 kDa
Calculated-MW:135 kDa

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Rev. V1.4

Preparation & Storage

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

Background

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.

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