

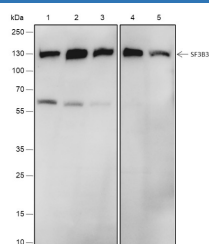
Recombinant SF3B3 Monoclonal Antibody

catalog number: **AN301841L**

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

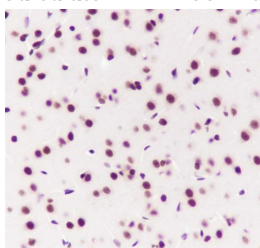
Description	
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human SF3B3 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C121463
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:500-1:2000
IP	1:25

Data

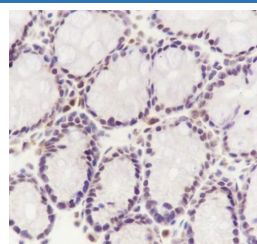


Western Blot with SF3B3 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: Jurkat, Lane 3: HEK-293, Lane 4: RAW 264.7, Lane 5: C6

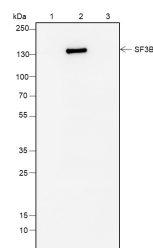
Observed-MW:135 kDa
Calculated-MW:135 kDa



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

Preparation & Storage

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

For Research Use Only

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Rev. V1.2

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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