

34-1113: Monoclonal Antibody to Splicing factor SF3B4(Clone: 3A1)

Clonality :	Monoclonal
Clone Name :	3A1
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse
Gene :	SF3B4
Gene ID :	10262
Uniprot ID :	Q15427
Format :	Purified
Alternative Name :	Pre-mRNA-splicing factor SF3b 49 kDa subunit,SF3b50,SAP 49,Spliceosome-associated protein 49
Isotype :	Mouse, IgG2b
Immunogen Information :	Full length recombinant human SF3B4 expressed in and purified from E. coli

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1,000. IF/ICC and IHC: 1:1,000

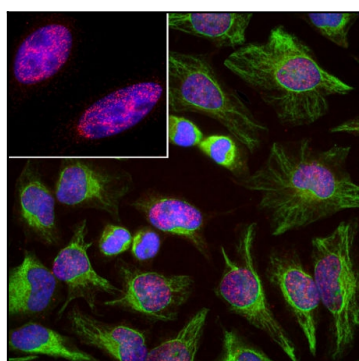


Figure-1: Immunofluorescent analysis of HeLa cells stained with mouse mAb to splicing factor SF3B4,(34-1113), dilution 1:1,000 in red, and costained with chicken pAb to vimentin,(34-1126), dilution 1:10,000, in green. The blue is DAPI staining of nuclear DNA. The (34-1113) antibody reveals strong granular staining of the nuclei, while the(34-1126) antibody specifically labels cytoplasmic intermediate filaments.

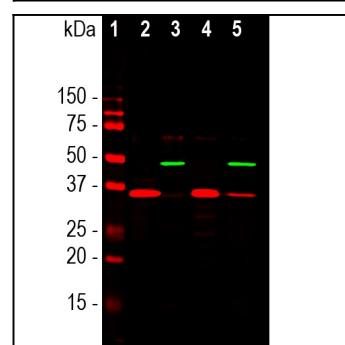


Figure-2: Western blot analysis of different cell lysates, cytosol or nuclear enriched fractions, using mouse mAb to splicing factor SF3B4,(34-1113), dilution 1:1,000 in green: [1] protein standard (red), [2] NIH-3T3 cytosolic fraction [3] NIH-3T3 nuclear fraction [4] HeLa cytosolic and [5] HeLa nuclear fractions. Strong single band at 49kDa represents the SF3B4 protein, which is expressed exclusively in the nuclei. The same blot was simultaneously probed with rabbit pAb to GAPDH,(34-1048), dilution 1:20,000, in red. The 37kDa band corresponds to the GAPDH protein, detected mainly in the cytosolic fractions of these cells.