

Anti-Splicing factor 3B subunit 4 (SF3B4) Antibody

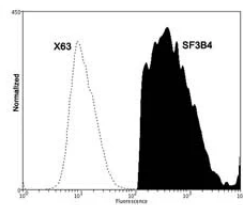
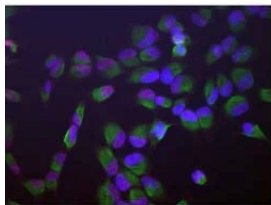


Product Details

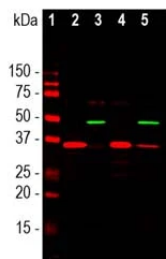
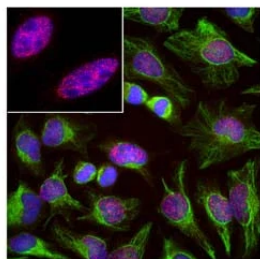
Available Variants	100 µg (SKU:M-1576-100)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	3A1
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	Flow, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:500-1:2000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	Full length recombinant human SF3B4 which was expressed in and purified from E. coli.
Specificity	Human SF3B4 ; bovine; Porcine; mouse; rat; expected to react with other species due to sequence homology.
Molecular Weight	49 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Aliquot and store at -20°C for a higher stability and at 2-8°C with an appropriate antibacterial agent. Avoid freeze-thaw cycles.
UniProt ID	Q15427

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Human HeLa cells stained with Mouse monoclonal antibody to splicing factor SF3B4 M-1576-100 (red), Chicken polyclonal antibody to Vimentin C-1409-50 (green) and DNA (blue, stained with DAPI). The monoclonal SF3B4 antibody reveals strong granular nuclear staining which is a little different from the DNA stain and presumably reflects splicosomal complexes. The polyclonal Vimentin antibody stains the cytoplasmic intermediate filament network of the HeLa cells. **Right:** Analysis of SF3B4 expression in rat pheochromocytoma PC-12 cell line by Flow Cytometry. Fixing and Permeabilization of cells: Absolute methanol (10 minutes in ice) and 0.1% Tween-20 in PBS, Blocking: 1% BSA, Primary antibody: Mouse Monoclonal antibody to SF3B4 (cat # M-1576-100, 2µg per ~10⁶ cells) for 30 minutes at room temperature, Secondary antibody: Goat anti-mouse PE labeled secondary antibody (1:100 fold dilution) with incubation for 20 minutes in dark at room temperature. Non-specific Control IgG, clone X63 (cat # M-1249-100) was used as negative control under same conditions (black dashed). Flow cytometry data and results were generated using Orflo MoxiflowTM instrument and protocols.



Left: Analysis of SF3B4 expression in HeLa cells by **Immunocytochemistry**. Cells were stained with mouse antibody to splicing factor SF3B4 (red, 1:1,000), and co-stained with chicken antibody to vimentin (C-1409-50, green, 1:10,000). Blue: DAPI nuclear stain. The SF3B4 antibody reveals strong granular staining of the nuclei, while the vimentin antibody specifically labels cytoplasmic intermediate filaments. **Right: Western blot** analysis of cell lysates, cytosol- or nuclear-enriched fractions, using mouse antibody to splicing factor SF3B4 (green, 1:1,000). [1] protein standard, [2] NIH-3T3 cytosolic fraction, [3] NIH-3T3 nuclear fraction, [4] HeLa cytosolic and [5] HeLa nuclear fractions. A strong single band at 49 kDa represents the SF3B4 protein, which is expressed exclusively in the nuclei. The same blot was simultaneously probed with rabbit anti-GAPDH antibody (R-1701-100, red, 1:20,000, lanes 2-5). The 37 kDa band corresponds to the GAPDH protein, detected mainly in the cytosolic fractions of these cells.

Product Page URL: www.antibodiesinc.com/products/anti-splicing-factor-3b-subunit-4-sf3b4-antibody-m-1576-100



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