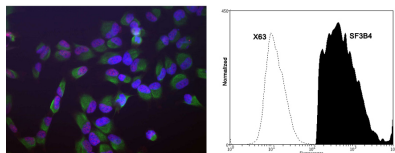


Mouse monoclonal antibody to splicing factor SF3B4 [3A1]: Affinity purified

| | |
|--------------------------|---|
| Catalogue No.: | M-1576-100 |
| Description: | SF3B4 is one of 8 subunits of splicing factor SF3B. SF3B4 is ubiquitously expressed in the nuclei of eukaryotic cells, although it migrates into the cytoplasm of dividing cells. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | Full length recombinant human SF3B4 which was expressed in and purified from E. coli. |
| Isotype: | IgG2b |
| Clone: | 3A1 |
| Other Names: | SAP49; splicing factor 3b subunit 4; 49kDa SAP49; spliceosome-associated protein 49; U2 snRNP; Hsh49; MGC108282; SF3B4; SF3b50; |
| Accession: | Q15427 SF3B4_HUMAN; |
| Produced in: | Mouse |
| Applications: | WB, IHC/IF, Flow Cytometry. Recommended dilution of at least 1:100 for IHC/IF. In WB using chemiluminescence it can be used at dilutions of 1:1,000 or lower. The protein runs on SDS-PAGE gels at an apparent molecular weight of 49kDa. Use 2ug/10 ⁶ cells for Flow Cytometry. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Cross-reactivity: | Human; bovine; porcine; mouse; rat; expected to react with other species due to sequence homology |
| Form: | Lyophilised with 5% trehalose |
| Reconstitution: | Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material. |
| Storage: | Aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase |



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

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used as negative control under same conditions (black dashed). Flow cytometry data and results were generated using Orflo Moxiflow™ instrument and protocols.

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