Datasheet for ABIN1580459

anti-SF3B4 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	SF3B4
Reactivity:	Human, Mouse, Rat, Cow, Pig, Mammalian
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Clone:	3A1
Isotype:	IgG2b
Purification:	affinity purified antibody

Target Details

Target:	SF3B4
Abstract:	SF3B4 Products
Background:	SF3B4, also known as SAP49, is a ubiquitously expressed splicing factor found in the nuclei of eukaryotic cells, although it migrates into the cytoplasm of dividing cells. It was originally identified by as the protein most efficiently UV cross-linked to the A, B and C spliceosomal complexes. The protein contains two of the highly conserved RRM type RNA recognition motifs, each corresponding to a small approx. 70 amino acid structure, consisting of 4 beta strands

Target Details

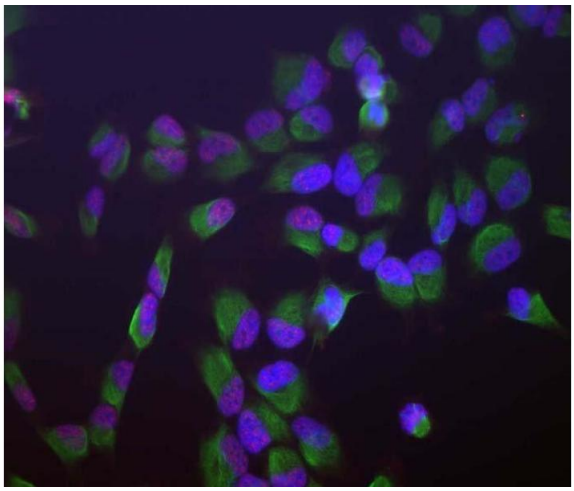
	and two alpha-helices. Proteins containing these proteins are believed to have a role in the regulation of mRNA splicing. The protein runs on SDS-PAGE gels at an apparent molecular weight of 49 kDa. This protein is known as splicing factor 3b, subunit 4, 49 kDa SAP49, spliceosome-associated protein (U2 snRNP), Hsh49 and MGC108282. Antibodies to this protein are good markers of nuclei. The HGNC name for this protein is SF3B4.

Application Details

Application Notes:	The antibody is affinity purified antibody diluted to 1mg/ml in phosphate buffered saline at a volume of 100 µl. The antibody solution can be used at dilutions of at least 1:1,000 in immunofluorescence experiments. In western blotting using chemiluminescence it can be used at dilutions of 1:1,000 or lower.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4°C short term or -20°C long term.



Immunofluorescence

Image 1. Human HeLa cells stained with ABIN1580459 (red), chicken antibody to vimentin CPCA-Vim (green) and DNA (blue, stained with DAPI). The ABIN1580459 antibody reveals strong granular nuclear staining which is a little different from the DNA stain and presumably reflects splicosomal complexes. The vimentin antibody stains the cytoplasmic intermediate filament network of the HeLa cells.

Western Blotting

Image 2. blots of HeLa cell crude extract stained with ABIN1580459. SF3B4 runs with an apparent SDS-PAGE molecular weight 49kDa.