Datasheet for ABIN1449241
anti-SF3B1 antibody (AA 98-198)

## 3 Images

1 Publication


## Overview

| Quantity: | 0.1 mg |
| :--- | :--- |
| Target: | SF3B1 |
| Binding Specificity: | AA 98-198 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | Whis SF3B1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP) |

Product Details

| Immunogen: | Recombinant GST-Sap155 (98 a.a.- 198 a.a.) |
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| Clone: | 16 |
| Isotype: | IgG2b |
| Specificity: | This antibody reacts with Sap155. |
| Cross-Reactivity (Details): | Species reactivity (tested):Human, Mouse |
| Purification: | Protein A agarose |
| Target Details |  |
| Target: | SF3B1 |
| Alternative Name: | SF3B1 / SAP155 (SF3B1 Products) |


| Background: | SF3 is a U2 snRNP-associated protein complex essential for spliceosome assembly and <br> splicing catalysis of the majo r spliceosome. SF3 contains the Spliceosome-Associated <br> Proteins, Sap 49, 130, 145, and 155. Sap155/Sf3b1 is an essential subunit of the U2 snRNP for <br>  <br> mRNA splicing and has also been identified in the minor (U12-dependent) sp liceosome. <br> Sap155 interacts with the mammalian PcG (Polycomb group) proteins, Mel18 and Ring1B by <br> the yeast two hybrid system. Sap155 contains numerous Cdk consensus phosphorylation sites <br> in its N terminus and is phosphorylated prior to catal ytic step II of the splicing pathway. <br> Sap155 serves as a substrate for cyclin E-cdk2 in vitro, suggesting that pre-mRNA splicing may <br> be linked to the cell cycle machiner y in mammalian cells.Synonyms: Pre-mRNA-splicing factor <br> SF3b 155 kDa subunit, SAP 155, SAP-155, SF3b155, Spliceosome-associated protein 155, |
| :--- | :--- |
|  | Splicing factor 3B subunit 1 |

## Application Details

| Application Notes: | Optimal working dilution should be determined by the investigator. |
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| Restrictions: | For Research Use only |
| Handling |  |
| Concentration: | $1.0 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | PBS containing $50 \%$ glycerol, pH 7.2 . Contains no preservatives. |
| Preservative: | Without preservative |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Upon receipt, store (in aliqouts) at $-20^{\circ} \mathrm{C}$. |

## Publications

Product cited in:
modulates apoptotic susceptibility and is a candidate gene in the Rgcs1 QTL that affects retinal ganglion cell death after optic nerve damage." in: PLoS ONE, Vol. 9, Issue 4, pp. e93564, (2014) ( PubMed).


