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Datasheet for ABIN2779034

## anti-SF3B3 antibody (Middle Region)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	SF3B3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SF3B3 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SF3B3
Sequence:	EHPPLCGRDH LSFRSYYFPV KNVIDGDLCE QFNSMEPNKQ KNVSEELDRT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against SF3B3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	SF3B3
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## Target Details

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Alternative Name: [SF3B3 \(SF3B3 Products\)](#)

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**Background:** SF3B3 is subunit 3 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair. This gene encodes subunit 3 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: KIAA0017, RSE1, SAP130, SF3b130, STAF130

Protein Interaction Partner: HUWE1, UBC, FUS, SUMO2, NUDCD3, LGR4, SUMO1, NEDD8, MDM2, RPA3, RPA2, RPA1, ERG, SUZ12, EED, RNF2, EZH2, PRPF40A, WWOX, APBB1, WBP4, TCERG1, FBXO6, CUL1, CUL2, CUL3, CUL4A, SKP2, SKP1, CD81, IGSF8, RBM6, EFTUD2, WHSC1, IFIT3, HSP90AA1, HSPB1, EPS8, TOE1,

Protein Size: 1217

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Molecular Weight: 135 kDa

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Gene ID: 23450

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NCBI Accession: [NM\\_012426](#), [NP\\_036558](#)

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UniProt: [Q15393](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1217 AA

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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 freeze-thaw cycles.

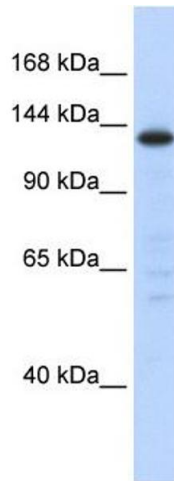
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

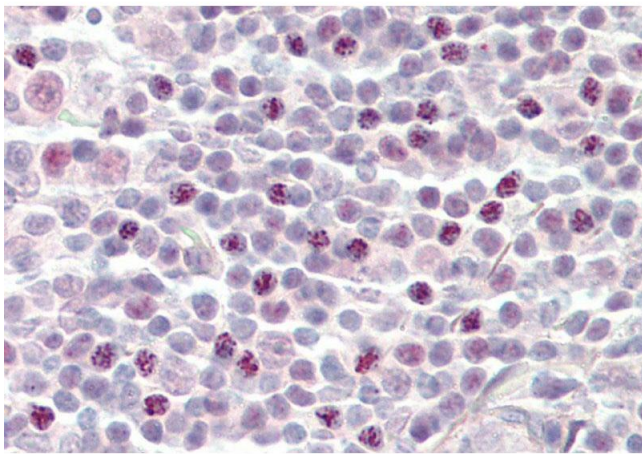
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Product cited in: Sugatani, Nishitani, Yamakawa, Yoshinari, Sueyoshi, Negishi, Miwa: "Transcriptional regulation of human UGT1A1 gene expression: activated glucocorticoid receptor enhances constitutive androstane receptor/pregnane X receptor-mediated UDP-glucuronosyltransferase 1A1 regulation with glucocorticoid receptor-interacting protei" in: **Molecular pharmacology**, Vol. 67, Issue 3, pp. 845-55, (2005) ([PubMed](#)).



### Western Blotting

**Image 1.** WB Suggested Anti-SF3B3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T



### Immunohistochemistry

**Image 2.** Rabbit Anti-SF3B3 antibody Formalin Fixed Paraffin Embedded Tissue: Human Tonsil Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec