

# Product datasheet

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ARG63239 anti-SF3B3 / SAP130 antibody

Package: 100 μg Store at: -20°C

## **Summary**

Product Description Goat Polyclonal antibody recognizes SF3B3 / SAP130

Tested Reactivity Hu

Predict Reactivity Ms, Rat, Cow, Dog

Tested Application WB
Host Goat

Clonality Polyclonal

Isotype IgG

Target Name SF3B3 / SAP130

Species Human

Immunogen C-VSKKLEDIRTRYAF

Conjugation Un-conjugated

Alternate Names RSE1; Pre-mRNA-splicing factor SF3b 130 kDa subunit; STAF130; SF3b130; Splicing factor 3B subunit 3;

Spliceosome-associated protein 130; SAP 130; SAP130

## **Application Instructions**

| Application table | Application  | Dilution        |
|-------------------|--|-----------------|
|                   | WB   | 0.1 - 0.3 μg/ml |
| Application Note  | WB: Recommend incubate at RT for 1h.  * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

## **Properties**

Form Liquid

Purification Purified from goat serum by antigen affinity chromatography.

Buffer Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.

Preservative 0.02% Sodium azide

Stabilizer 0.5% BSA

Concentration 0.5 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links <u>GeneID: 23450 Human</u>

Swiss-port # Q15393 Human

Gene Symbol SF3B3

Gene Full Name splicing factor 3b subunit 3

Background 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.

[provided by RefSeq, Jul 2008]

Function Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex, a constituent of the

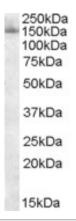
spliceosome (PubMed:10490618, PubMed:10882114, PubMed:27720643, PubMed:28781166). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937). May also be involved in the assembly of the 'E' complex (PubMed:10882114). Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron

(PubMed:15146077). [UniProt]

Research Area Gene Regulation antibody

Calculated Mw 136 kDa

#### **Images**



#### ARG63239 anti-SF3B3 / SAP130 antibody WB image

Western blot: 30  $\mu$ g of nuclear lysate from HeLa cells (in RIPA buffer) stained with ARG63239 anti-SF3B3 / SAP130 antibody at 0.1  $\mu$ g/ml dilution and incubated at RT for 1 hour.