

## Anti-SF3A3 antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml225091                                                |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Description</b>  | Anti-SF3A3 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB, IHC                        |
| <b>Immunogen</b>    | Fusion protein of human SF3A3         |
| <b>Reactivity</b>   | Human, Mouse                          |
| <b>Content</b>      | 0.48 mg/ml                            |
| <b>Host species</b> | Rabbit                                |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG         |
| <b>Purification</b> | Antigen affinity purification         |

### Target information

|                  |                              |
|------------------|------------------------------|
| <b>Symbol</b>    | SF3A3                        |
| <b>Full name</b> | splicing factor 3a subunit 3 |

**Synonyms** PRP9; PRPF9; SAP61; SF3a60

**Swissprot** Q12874

#### **Target Background**

This gene encodes subunit 3 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 3 interacts with subunit 1 through its amino-terminus while the zinc finger domain of subunit 3 plays a role in its binding to the 15S U2 snRNP. This gene has a pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants.

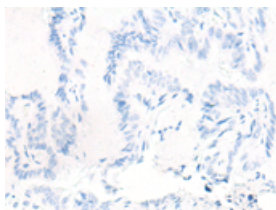
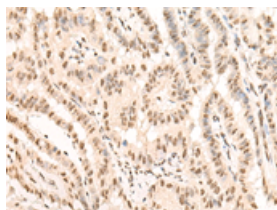
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 30-150

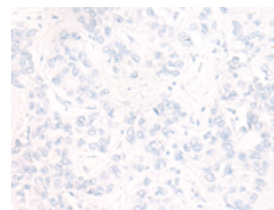
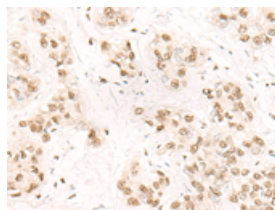


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml225091(SF3A3 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Nucleus

Positive control: Human liver cancer

Recommended dilution: 30-150



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml225091(SF3A3 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 59 kDa

Positive control: Jurkat and Raji cell lysates

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

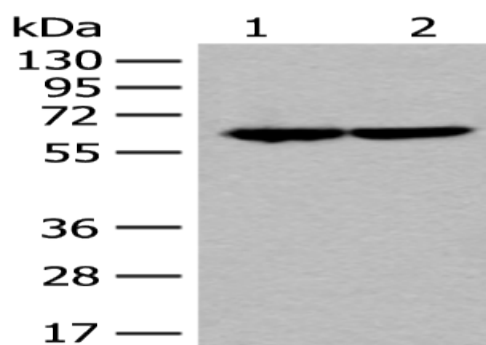
Lysate: 40  $\mu$ g

Lane 1-2: Jurkat and Raji cell lysates

Primary antibody: ml225091(SF3A3 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 seconds



#### ELISA

Recommended dilution: 5000-10000

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