

## Product datasheet

# Anti-FUSIP1 antibody ab77209

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### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-FUSIP1 antibody   |
| <b>Description</b>         | Mouse monoclonal to FUSIP1   |
| <b>Host species</b>        | Mouse  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ELISA   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow   |
| <b>Immunogen</b>           | Recombinant fragment: MSRYLRPPNT SLFVRNVADD TRSEDLRREF GRYGPVDVY VPLDFYTRRP RGFAYVQFED VRDAEDALHN LDRKWICGRQ IEIQFAQGDR KTPNQMKAKE, corresponding to amino acids 1 - 100 of human FUSIP1 (AAH05039) with a 26 kDa tag.<br><a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>      |
| <b>Positive control</b>    | Jurkat cell lysate; immunogen  |
| <b>General notes</b>       | Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody <a href="#">ab173216</a> as a replacement. |

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| <b>Storage buffer</b>       | Preservative: None<br>Constituents: 1X PBS, pH 7.2   |
| <b>Purity</b>               | Protein A purified   |
| <b>Clonality</b>            | Monoclonal   |
| <b>Isotype</b>              | IgG1   |
| <b>Light chain type</b>     | kappa  |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab77209** in the following tested applications.

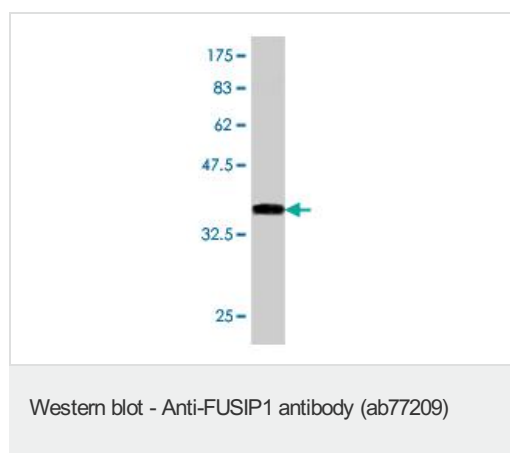
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/500 - 1/1000. Predicted molecular weight: 31 kDa. |
| ELISA       |           | Use at an assay dependent dilution.                 |

## Target

|   |   |
|---|---|
| <b>Function</b>                         | Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing. Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70. Required for splicing repression in M-phase cells and after heat shock. May be involved in regulation of alternative splicing in neurons, with isoform 1 acting as a positive and isoform 3 as a negative regulator. |
| <b>Tissue specificity</b>               | Widely expressed.   |
| <b>Sequence similarities</b>            | Belongs to the splicing factor SR family.<br>Contains 1 RRM (RNA recognition motif) domain.   |
| <b>Post-translational modifications</b> | Phosphorylated. Fully dephosphorylated in mitosis and partially dephosphorylated on heat shock. Isoform 3 is phosphorylated on Ser-168.   |
| <b>Cellular localization</b>            | Nucleus speckle. Cytoplasm.   |

## Images



Anti-FUSIP1 antibody (ab77209) at 1/500 dilution + recombinant tagged FUSIP1 protein (the immunogen) at 0.2 µg

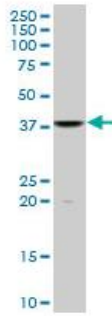
### Secondary

Goat anti-mouse IgG (H&L)-HRP conjugate at 1/5000 dilution

**Predicted band size:** 31 kDa

**Observed band size:** 37 kDa

[why is the actual band size different from the predicted?](#)



Western blot - Anti-FUSIP1 antibody (ab77209)

Anti-FUSIP1 antibody (ab77209) at 1/500 dilution + Jurkat cell lysate at 25  $\mu$ g

### Secondary

Goat anti-mouse IgG (H&L)-HRP conjugate at 1/2500 dilution

**Predicted band size:** 31 kDa

**Observed band size:** 38 kDa [why is the actual band size different from the predicted?](#)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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