


## Product datasheet

# Anti-LSM5 antibody [EPR10690] ab184568

Recombinant RabMAb

6 Images

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-LSM5 antibody [EPR10690]  |
| <b>Description</b>         | Rabbit monoclonal [EPR10690] to LSM5   |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt (Intra), ICC/IF, WB, IHC-P   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat   |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| <b>Positive control</b>    | T47-D lysate, Human astrocytoma or stomach tissue, T47-D cells.  |
| <b>General notes</b>       | This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .<br>Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> . |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS               |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | EPR10690  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184568 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  |
|------------------|-----------|--|
| Flow Cyt (Intra) |           | 1/110.<br><b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.                 |
| ICC/IF           |           | 1/500.   |
| WB               |           | 1/1000 - 1/10000. Predicted molecular weight: 10 kDa.  |
| IHC-P            |           | 1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

## Target

### Function

Plays a role in U6 snRNP assembly and function. Binds to the 3' end of U6 snRNA, thereby facilitating U4/U6 duplex formation in vitro.

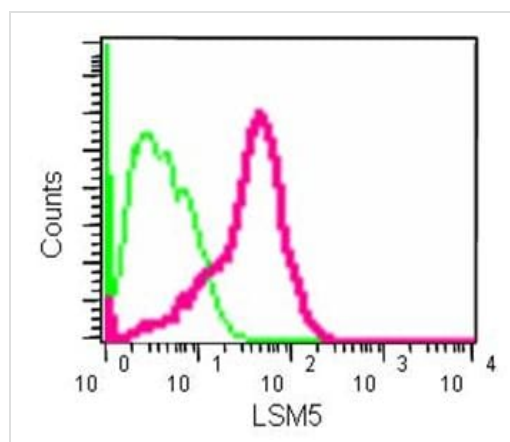
### Sequence similarities

Belongs to the snRNP Sm proteins family.

### Cellular localization

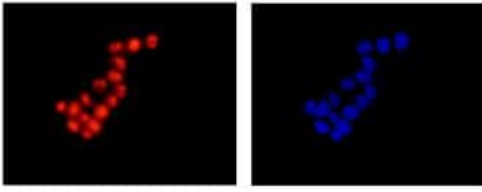
Nucleus.

## Images



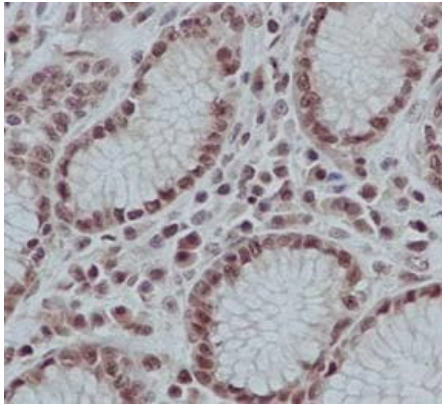
Intracellular Flow Cytometry analysis of T47-D cells using ab184568 at a 1/110 dilution (red) or a Rabbit monoclonal IgG (negative) (green). Goat anti rabbit IgG (FITC) secondary used at a 1/150 dilution.

Flow Cytometry (Intracellular) - Anti-LSM5 antibody [EPR10690] (ab184568)



Immunocytochemistry/ Immunofluorescence - Anti-LSM5 antibody [EPR10690] (ab184568)

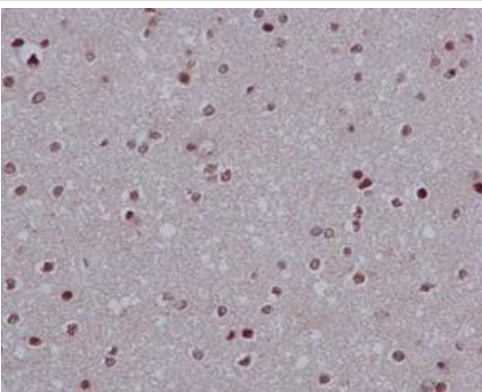
Immunofluorescence analysis of 4% paraformaldehyde fixed T47-D cells labeling LSM5 with ab184568 at a 1/500 dilution. Goat anti rabbit IgG (Alexa Fluor®555) secondary used at a 1/200 dilution. Counterstained with Dapi (right image).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSM5 antibody [EPR10690] (ab184568)

Immunohistochemical analysis of paraffin embedded Human stomach tissue labeling LSM5 with ab184568 a 1/100 dilution. Counterstained with Hematoxylin.

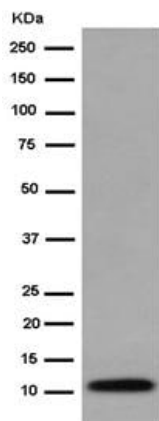
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSM5 antibody [EPR10690] (ab184568)

Immunohistochemical analysis of paraffin embedded Human astrocytoma tissue labeling LSM5 with ab184568 at a 1/100 dilution. Counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Anti-LSM5 antibody [EPR10690] (ab184568) at 1/10000 dilution + T47-D lysate at 10 µg

**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size: 10 kDa**

Western blot - Anti-LSM5 antibody [EPR10690] (ab184568)

Why choose a recombinant antibody?

|   |   |
|---|---|
| <br><b>Research with confidence</b><br>Consistent and reproducible results | <br><b>Long-term and scalable supply</b><br>Recombinant technology |
| <br><b>Success from the first experiment</b><br>Confirmed specificity      | <br><b>Ethical standards compliant</b><br>Animal-free production   |

Anti-LSM5 antibody [EPR10690] (ab184568)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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