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# LSM1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2863b

## Product Information

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| **Application** | WB, IHC-P, E |
| **Primary Accession** | O15116 |
| **Other Accession** | Q8VC85 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB17492 |
| **Calculated MW** | 15179 |
| **Antigen Region** | 103-133 |

## Additional Information

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| **Gene ID** | 27257 |
| **Other Names** | U6 snRNA-associated Sm-like protein LSm1, Cancer-associated Sm-like, Small nuclear ribonuclear CaSm, LSM1, CASM |
| **Target/Specificity** | This LSM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-133 amino acids from the C-terminal region of human LSM1. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | LSM1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | LSM1 |
| **Synonyms** | CASM |

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| **Function** | Plays a role in the degradation of histone mRNAs, the only eukaryotic mRNAs that are not polyadenylated (PubMed:18172165). Probably also part of an LSm subunits-containing complex involved in the general process of mRNA degradation (By similarity). |
| **Cellular Location** | Cytoplasm. Cytoplasm, P-body |

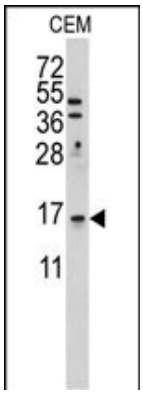
## Background

Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.

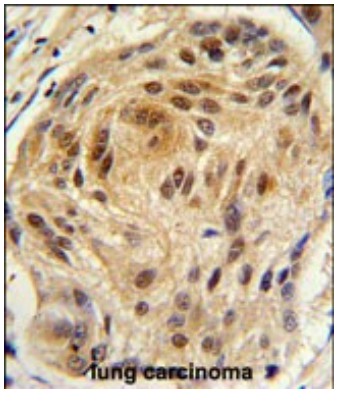
## References

Schweinfest C.W., Graber M.W., Chapman J.M., Papas T.S., Baron P.L.,Cancer Res. 57:2961-2965(1997)

## Images




Western blot analysis of anti-LSM1 Antibody (C-term) (Cat.#AP2863b) in Hela cell line lysates (35ug/lane). LSM1 (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with LSM1 antibody (C-term) (Cat. #AP2863b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.