

For Research Use Only

# LSM14A Polyclonal antibody

Catalog Number: 18336-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

18336-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12997

### GenBank Accession Number:

BC016842

### GeneID (NCBI):

26065

### UNIPROT ID:

Q8ND56

### Full Name:

LSM14A, SCD6 homolog A (S. cerevisiae)

### Calculated MW:

463 aa, 51 kDa

### Observed MW:

60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF, CoIP

### Species Specificity:

human

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : A549 cells, HeLa cells, PC-3 cells, HEK-293T cells, HepG2 cells, Jurkat cells

IHC : human testis tissue,

IF/ICC : HepG2 cells,

## Background Information

LSm14A was originally discovered to be a component of the P-bodies, it is a member of the LSm family of proteins, which have been shown to be involved in RNA processing events. The N terminus of LSm14A is a conserved LSm domain, whereas the C terminus contains two domains called "DFDF box" and "FDF\_TFG box", respectively.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Man Liu	34766549	Elife	WB,IF
Srikanth Kodali	39169219	Nat Cell Biol	WB
Michelle S Glossop	39119906	Nucleic Acids Res	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

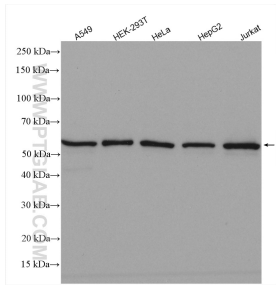
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

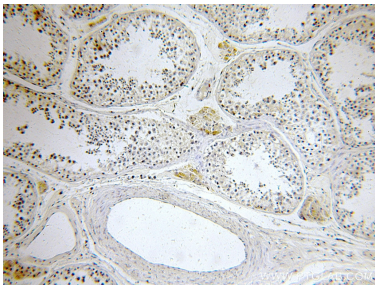
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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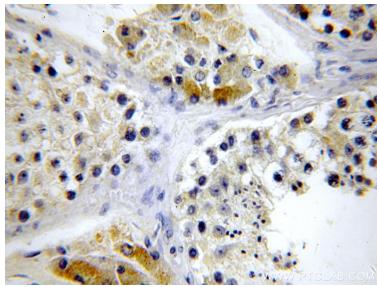
Selected Validation Data



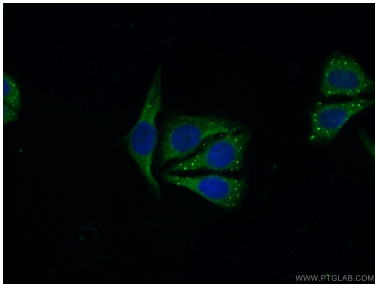
Various lysates were subjected to SDS PAGE followed by western blot with 18336-1-AP (LSM14A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



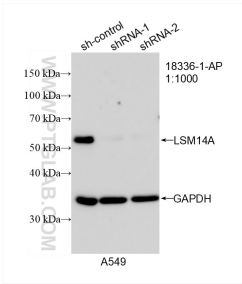
Immunohistochemical analysis of paraffin-embedded human testis using 18336-1-AP (LSM14A antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 18336-1-AP (LSM14A antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 18336-1-AP (LSM14A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of LSM14A antibody (18336-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LSM14A transfected A549 cells.