

For Research Use Only

# LSM4 Polyclonal antibody

Catalog Number: 10834-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 10834-1-AP	<b>GenBank Accession Number:</b> BC022198	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25804	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> LSM4 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> )	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 15 kDa	
<b>Immunogen Catalog Number:</b> AG1280	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF7 cells, human placenta tissue, MDA-MB-231 cells IHC : human lung cancer tissue, IF : MCF-7 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

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

## Background Information

Sm-like proteins, such as LSM4, 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. Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing

## Notable Publications

Author	Pubmed ID	Journal	Application
Jeremiah J Bearss	33586867	EMBO Rep	WB
Berg Michael G MG	22252314	Mol Cell Biol	WB

## Storage

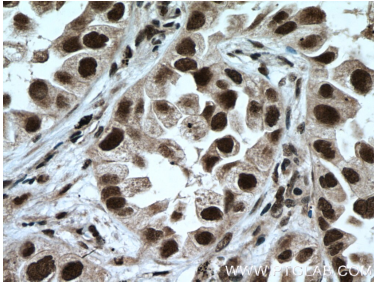
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.com

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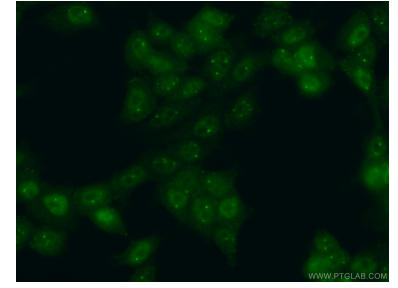
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10834-1-AP (LSM4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MCF7 cells were subjected to SDS PAGE followed by western blot with 10834-1-AP (LSM4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 10834-1-AP (LSM4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).