

For Research Use Only

LSM4 Polyclonal antibody

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



Basic Information

Catalog Number: 10834-1-AP	GenBank Accession Number: BC022198	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 25804	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y4ZO	
Isotype: IgG	Full Name: LSM4 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	
Immunogen Catalog Number: AG1280	Calculated MW: 15 kDa	
	Observed MW: 15 kDa	

Applications

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

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

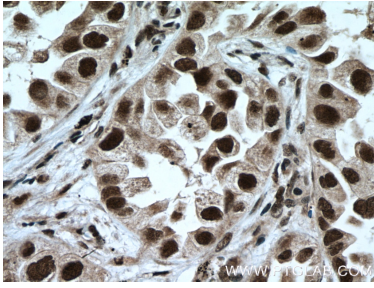
T: 4006900926

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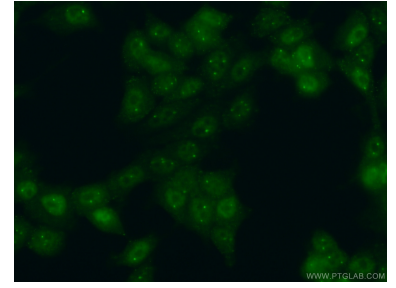
Selected Validation Data



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).