

LSM4 Polyclonal antibody

Catalog Number: 10834-1-AP

2 Publications

Basic Information

Catalog Number:

10834-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1280

GenBank Accession Number:

BC022198

GeneID (NCBI):

25804

UNIPROT ID:

Q9Y4Z0

Full Name:

LSM4 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

Calculated MW:

15 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : MCF7 cells, human placenta tissue, MDA-MB-231 cells

IHC : human lung cancer tissue,

IF/ICC : MCF-7 cells,

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

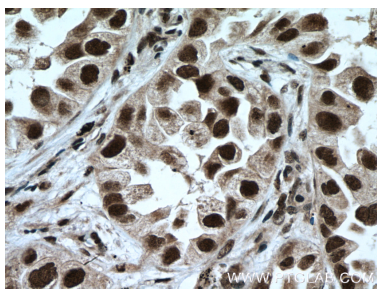
For technical support and original validation data for this product please contact:

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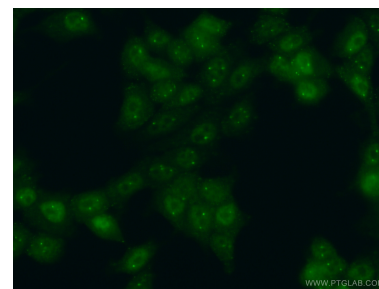
Selected Validation Data



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).