For Research Use Only

LSM8 Polyclonal antibody

Catalog Number:10134-1-AP 1 Publications

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Basic Information

Catalog Number:
10134-1-AP

Size:
700 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0178

GenBank Accession Number:
BC002742

GeneID (NCBI):
51691

UNIPROT ID:
O95777

Full Name:
LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae)

Calculated MW:
14 kDa /75 kDa

Observed MW:
11 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

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

Positive Controls:

WB : HeLa cells, HL-60 cells

IHC : human kidney tissue,

IF : HeLa cells,

Background Information

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[PMID:15075370]. Lsm2-Lsm8 (Lsm stands for Like Sm), binds and stabilizes the 3′ end of the spliceosomal U6 snRNA Lsm proteins facilitate the annealing of U6 snRNA with U4 snRNA in vitro and interact with the U4/U6 annealing factor Prp24, suggesting that Lsm proteins function in U4/U6 snRNP formation in vivo [PMID:15485930, 17251193].

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Wang	32017896	Mol Cell	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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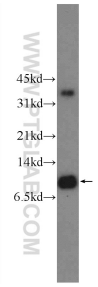
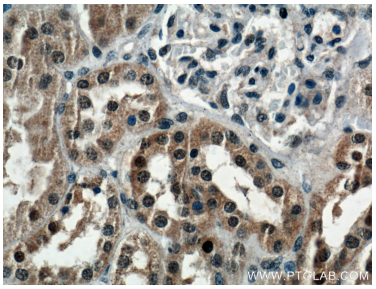
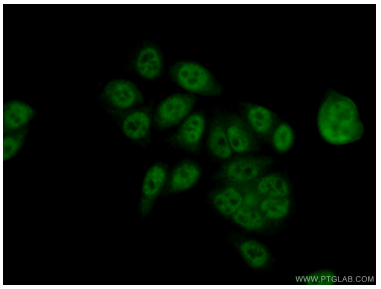
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10134-1-AP (LSM8 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10134-1-AP (LSM8 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 10134-1-AP (LSM8 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).