

LSM1 Polyclonal antibody

Catalog Number: 10259-1-AP

Basic Information

Catalog Number: 10259-1-AP	GenBank Accession Number: BC001767	Purification Method: Antigen affinity purification
Size: 290 µg/ml	GeneID (NCBI): 27257	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O15116	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: LSM1 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	IHC 1:20-1:200
Immunogen Catalog Number: AG0232	Calculated MW: 15 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB: HeLa cells, mouse kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP: HeLa cells,
	IHC: human prostate cancer tissue,

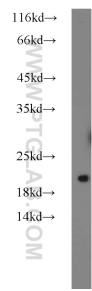
Background Information

Lsm1 is a component of the Lsm1-7 complex involved in cytoplasmic mRNA degradation. Lsm1 is a key subunit that determines the RNA-binding properties of this complex. The normal RNA-binding activity of this complex is crucial for mRNA decay and 3'-end protection in vivo and requires the intact Sm-domain of Lsm1. LSM1 localizes to cytoplasmic processing bodies (P bodies) involved in mRNA storage, processing, regulation, and degradation and is required for P-body formation. LSM1 proteins facilitate the formation of U4/U6 RNA duplexes in vitro and may play a role in U4/U6 snRNP formation.

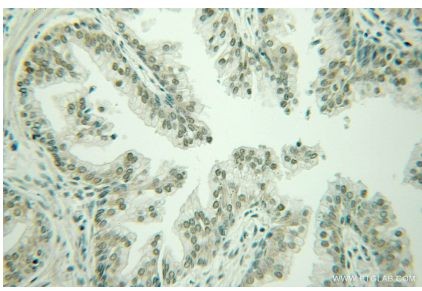
Storage

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

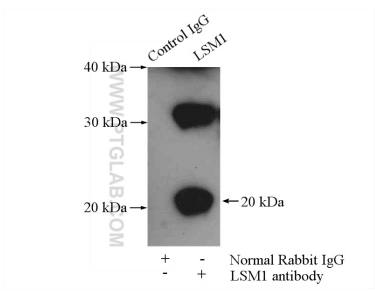
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10259-1-AP (LSM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10259-1-AP (LSM1 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-LSM1 (IP:10259-1-AP, 4ug; Detection:10259-1-AP 1:300) with HeLa cells lysate 2000ug.