

Rabbit anti-Human LSM1 Polyclonal Antibody | anti-LSM1 antibody

Anti-LSM1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255722	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

LSM1; Polyclonal Antibody; Anti-LSM1 Antibody; Rabbit Polyclonal; LSM1 Antibody; Rabbit Pab; Antigen Affinity Purified; LSM1 homolog; mRNA degradation associated; Anti-CASM Antibody; Anti-YJL124C Antibody; anti-LSM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LSM1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LSM1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human LSM1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human LSM1 (rh LSM1). LSM1 specific IgG was purified by Human LSM1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-LSM1 rabbit polyclonal antibody at 1:500 dilution Lane A: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 15 kDa Observed band size: 15 kDa

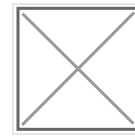


IP (Immunoprecipitation)

LSM1 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 2 uL anti-LSM1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-LSM1 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 15 kDa Observed band size: 15 kDa

**IHC (Immunohistochemistry)**

Immunochemical staining of human LSM1 in human prostatic carcinoma with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human LSM1 in human lung carcinoma with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human LSM1 in human breast carcinoma with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-LSM1 antibody	LSM1 is an Sm-like protein. Sm-like proteins can be detected in a variety of organisms based on sequence homology with the Sm protein family. Sm-like proteins include the Sm sequence motif, which consists of two 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. LSM1 has a role in replication-dependent histone mRNA degradation and binds specifically to the 3'-terminal U-tract of U6 snRNA. LSM1 also facilitates RNA protein interactions and structural modifications which are required during ribosomal subunit assembly.
References	Shimizu Y, et al. (1997) Lineage- and differentiation stage-specific expression of LSM-1 (LPAP), a possible substrate for CD45, in human hematopoietic cells. <i>Am J Hematol.</i> 54(1):1=11. Graber MW, et al. (1997) CaSm: an Sm-like protein that contributes to the transformed state in cancer cells. <i>Cancer Res.</i> 57(14):2961-5. Seraphin B, et al. (1999) Sm and Sm-like proteins assemble in two related complexes of deep evolutionary origin. <i>EMBO J.</i> 18(12):3451-62.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657313
NCBI GeneID	27257
NCBI Accession #	NP_055277.1
NCBI GenBank Nucleotide #	NM_014462.2
UniProt Accession #	O15116 ; B2R5E6
Molecular Weight	15,179 Da
NCBI Official Full Name	U6 snRNA-associated Sm-like protein LSm1
NCBI Official Synonym Full Names	LSM1, U6 small nuclear RNA associated
NCBI Official Symbol	LSM1
NCBI Official Synonym Symbols	CASM; YJL124C
NCBI Protein Information	U6 snRNA-associated Sm-like protein LSm1; LSM1 homolog, U6 small nuclear RNA associated; cancer-associated Sm-like protein; small nuclear ribonuclear CaSm
UniProt Protein Name	U6 snRNA-associated Sm-like protein LSm1
UniProt Gene Name	LSM1
UniProt Synonym Gene Names	CASM
UniProt Entry Name	LSM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/lsm1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255722>