10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LSM1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2863c

Product Information

Application	WB, E
Primary Accession	O15116
Other Accession	Q8VC85, Q5E9Z8
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17491
Calculated MW	15179
Antigen Region	33-61

Additional Information

Gene ID	27257
Other Names	U6 snRNA-associated Sm-like protein LSm1, Cancer-associated Sm-like, Small nuclear ribonuclear CaSm, LSM1, CASM
Target/Specificity	This LSM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the Central region of human LSM1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LSM1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LSM1
Synonyms	CASM

Function	Plays a role in the degradation of histone mRNAs, the only eukaryotic mRNAs that are not polyadenylated (PubMed:18172165). Probably also part of an LSm subunits-containing complex involved in the general process of mRNA degradation (By similarity).
Cellular Location	Cytoplasm. Cytoplasm, P-body

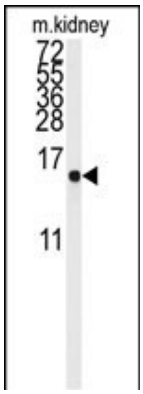
Background

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.

References

Schweinfest C.W., Graber M.W., Chapman J.M., Papas T.S., Baron P.L.,Cancer Res. 57:2961-2965(1997)

Images



Western blot analysis of anti-LSM1 Antibody (Center) (Cat.#AP2863c) in mouse kidney tissue lysates (35ug/lane). LSM1(arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.