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Datasheet for ABIN7596084
anti-LSM2 antibody (AA 1-95)

Overview

Quantity:	100 μL
Target:	LSM2
Binding Specificity:	AA 1-95
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Human LSM2 antibody
Immunogen:	Recombinant human LSm2 (1-95aa) purified from E. coli
Clone:	AT1G7
Isotype:	IgG2a kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	LSM2
Alternative Name:	LSM2 (LSM2 Products)
Background:	LSM2 is a member of the LSm family of RNA-binding proteins. Component of LSm protein complexes, which are involved in RNA processing and may function in a chaperone-like

Target Details

manner. Component of the cytoplasmic complex which is thought to be involved in mRNA degradation by activating the decapping step. Component of the nuclear LSM2 complex, which is involved in splicing of nuclear mRNAs. LSM2 associates with multiple snRNP complexes containing the U6 snRNA It binds directly to the U6 snRNA and plays a role in the biogenesis and stability of the U6 snRNP and U4/U6 snRNP complexes. It probably also is involved degradation of nuclear pre-mRNA by targeting them for decapping. LSM2 binds specifically to the 3'-terminal U-tract of U6 snRNA. LSM2-LSM8 probably is involved in processing of pre-tRNAs, pre-rRNAs and U3 snoRNA.

NCBI Accession:	NP_067000
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycero
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.