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Datasheet for ABIN6989235 anti-LSM6 antibody



Overview	
Quantity:	100 μL
Target:	LSM6
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LSM6 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human LSM6:31-80/80
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.
Target Details	
Target:	LSM6
Alternative Name:	LSM6 (LSM6 Products)

Background: Synonyms: LSM 6, LSM6 homolog U6 small nuclear RNA associated, LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae), Sm protein F, U6 snRNA associated Sm like protein LSm6, YDR378C. Background: Sm-like proteins were identified in a variety of organisms based on sequence

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homology with the Sm protein family (see SNRPD2, MIM 601061). 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.[supplied by OMIM, Apr 2004]
Function : Component of LSm protein complexes, which are involved in RNA processing and
may function in a chaperone-like manner, facilitating the efficient association of RNA
processing factors with their substrates. Component of the cytoplasmic LSM1-LSM7 complex,
which is thought to be involved in mRNA degradation by activating the decapping step in the 5'-
to-3' mRNA decay pathway. Component of the nuclear LSM2-LSM8 complex, which is involved
in splicing of nuclear mRNAs. LSM2-LSM8 associates with multiple snRNP complexes
containing the U6 snRNA (U4/U6 di-snRNP, spliceosomal U4/U6.U5 tri-snRNP, and free U6
snRNP). It binds directly to the 3'-terminal U-tract of U6 snRNA and plays a role in the
biogenesis and stability of the U6 snRNP and U4/U6 snRNP complexes. LSM2-LSM8 probably
also is involved degradation of nuclear pre-mRNA by targeting them for decapping, and in
processing of pre-tRNAs, pre-rRNAs and U3 snoRNA. Subunit : Component of the heptameric
LSM1-LSM7 complex, which consists of LSM1, LSM2, LSM3, LSM4, LSM5, LSM6 and LSM7.
Component of the heptameric LSM2-LSM8 complex, which consists of LSM2, LSM3, LSM4,
LSM5, LSM6, LSM7 and LSM8. The LSm subunits form a seven-membered ring structure with a
doughnut shape. Similarity : Belongs to the snRNP Sm proteins family. SmF/LSm6 subfamily.

Gene ID:	11157
UniProt:	P62312

Application Details

Application Notes:	IHC-P 1:200-400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months