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Rabbit Anti-LSM2/C6orf28/Cy5.5 Conjugated antibody

SL18427R-Cy5.5

Product Name	Anti-LSM2/C6orf28/Cy5.5
Chinese Name	Cy5.5 标记的 6 号染色体开放阅读框 28 抗体
Alias	C6orf28; Chromosome 6 open reading frame 28; G7b; LSM 2; Lsm2; LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae); Lsm2 protein; LSM2_HUMAN; OTTHUMP00000029159; Protein G7b; Small nuclear ribonuclear protein D homolog; snRNP; snRNP core Sm like protein Sm x5; snRNP core Sm-like protein Sm-x5; U6 snRNA associated Sm like protein LSm2; U6 snRNA-associated Sm-like protein LSm2; YBL026W.
Research Area	Cell biology Binding protein Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Cow,Rabbit)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human LSM2/C6orf28
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** This gene encodes a member of the LSm family of RNA-binding proteins.

LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo(U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Pseudogenes of this gene are located on the short arm of chromosomes 6 and 19. [provided by RefSeq, Nov 2011]

Function:
Binds specifically to the 3'-terminal U-tract of U6 snRNA. May be involved in pre-mRNA splicing.

Subcellular Location:
Nucleus.

Post-translational modifications:
Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:
Belongs to the snRNP Sm proteins family.

Database links:

Entrez Gene: 57819 Human

Entrez Gene: 27756 Mouse

Entrez Gene: 684148 Rat

Omim: 607282 Human

SwissProt: Q9Y333 Human

SwissProt: O35900 Mouse

Unigene: 103106 Human

Unigene: 165735 Mouse

Unigene: 216424 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.