

# LSM14A/C19orf13 Rabbit pAb

Catalog # AP98926

## Product Information

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| <b>Application</b>                      | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Primary Accession</b>                | <a href="#">Q8ND56</a>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Other Accession</b>                  | <a href="#">Q8ND56</a>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host</b>                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Calculated MW</b>                    | 50530                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human LSM14A/C19orf13                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Epitope Specificity</b>              | 301-400/463                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SIMILARITY</b>                       | Belongs to the LSM14 family. Contains 1 DFDF domain.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SUBUNIT</b>                          | Component of a ribonucleoprotein (RNP) complex.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Post-translational modifications</b> | Phosphorylated upon DNA damage, probably by ATM or ATR.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                            |
| <b>Background Descriptions</b>          | Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2; 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, Mar 2008] |

## Additional Information

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| <b>Gene ID</b>     | 26065                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other Names</b> | C19orf13; FAM61A; RAP55; RAP55A; 2700023B17Rik; Tral; mRAP55A; RGD1305695; LS14A_HUMAN; LSM14A; Protein FAM61A; Protein SCD6 homolog; Putative alpha-synuclein-binding protein (AlphaSNBP); RNA-associated protein 55A (hRAP55   hRAP55A); LS14A_MOUSE; RNA-associated protein 55A (mRAP55A); LSM14A mRNA processing body assembly factor; chromosome 19 open reading frame 13; family with sequence similarity 61, member A; LSM14 homolog A (SCD6, S. cerevisiae); LSM14A, mRNA processing body assembly factor; RNA-associated protein 55 |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                                                                                                                                                                                              |

## Protein Information

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| <b>Name</b>              | LSM14A {ECO:0000303   PubMed:26339800, ECO:0000312   HGNC:HGNC:24489}                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>          | Essential for formation of P-bodies, cytoplasmic structures that provide storage sites for translationally inactive mRNAs and protect them from degradation (PubMed: <a href="#">16484376</a> , PubMed: <a href="#">17074753</a> , PubMed: <a href="#">29510985</a> ). Acts as a repressor of mRNA translation (PubMed: <a href="#">29510985</a> ). May play a role in mitotic spindle assembly (PubMed: <a href="#">26339800</a> ). |
| <b>Cellular Location</b> | Cytoplasm, P-body. Cytoplasm, cytoskeleton, spindle. Cytoplasm, Stress granule                                                                                                                                                                                                                                                                                                                                                       |

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