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LSM14A/C19orf13 Rabbit pAb

Catalog # AP98926

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8ND56
Other Accession	Q8ND56
Predicted	Rat, Pig, Cat, Human, Mouse, Rabbit, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50530
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LSM14A/C19orf13
Epitope Specificity	301-400/463
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the LSM14 family. Contains 1 DFDF domain.
SUBUNIT	Component of a ribonucleoprotein (RNP) complex.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	26065
Other Names	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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	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

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

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