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LSM2 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21749b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y333
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53651
Calculated MW	10835

Additional Information

Gene ID	57819
Other Names	U6 snRNA-associated Sm-like protein LSm2, Protein G7b, Small nuclear ribonuclear protein D homolog, snRNP core Sm-like protein Sm-x5, LSM2, C6orf28, G7B
Target/Specificity	This LSM2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 55-89 amino acids from human LSM2.
Dilution	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LSM2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LSM2
Synonyms	C6orf28, G7B
Function	Plays a role in pre-mRNA splicing as component of the U4/U6- U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the

precatalytic spliceosome (spliceosome B complex) (PubMed:28781166). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA (PubMed:10523320).

Cellular Location Nucleus

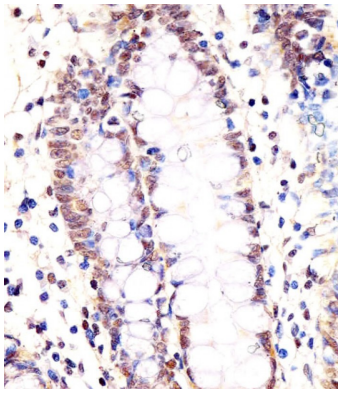
Background

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

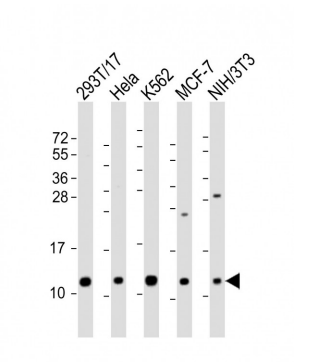
References

Achsel T.,et al.EMBO J. 18:5789-5802(1999).
Olavesen M.G.,et al.Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Schmarda A.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Xie T.,et al.Genome Res. 13:2621-2636(2003).
Shiina S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.

Images



AP21749b staining LSM2 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-LSM2 Antibody (C-Term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: K562 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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