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LSM2 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21749b

Specification

LSM2 Antibody (C-Term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9Y333
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**10835**

LSM2 Antibody (C-Term) - 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~~1:25

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.

LSM2 Antibody (C-Term) - 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).

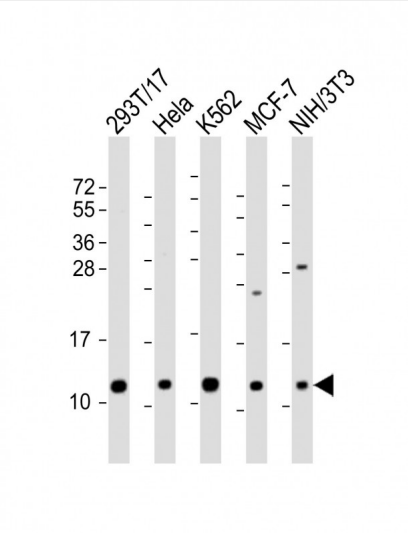
Cellular Location
Nucleus

LSM2 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

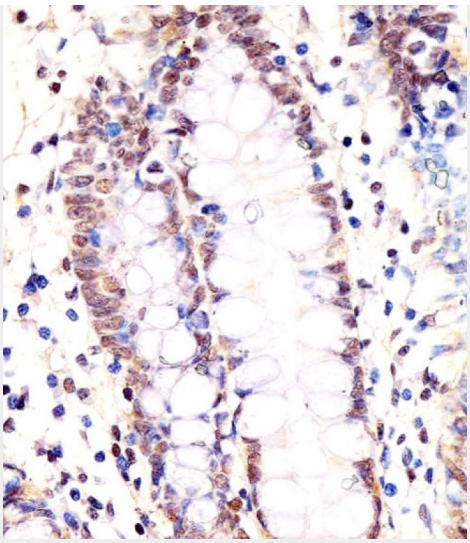
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LSM2 Antibody (C-Term) - Images



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.

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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.

LSM2 Antibody (C-Term) - Background

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

LSM2 Antibody (C-Term) - 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.