

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	O9Y333
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

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.

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

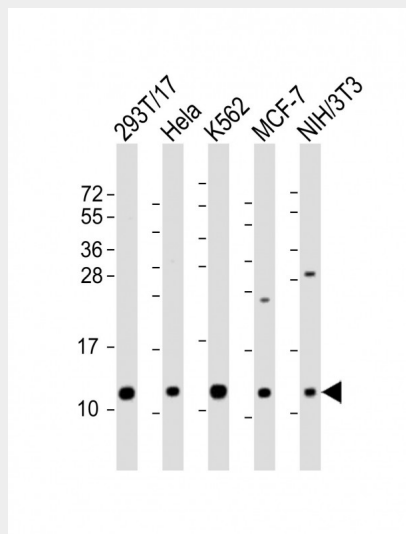
Nucleus

LSM2 Antibody (C-Term) - Protocols

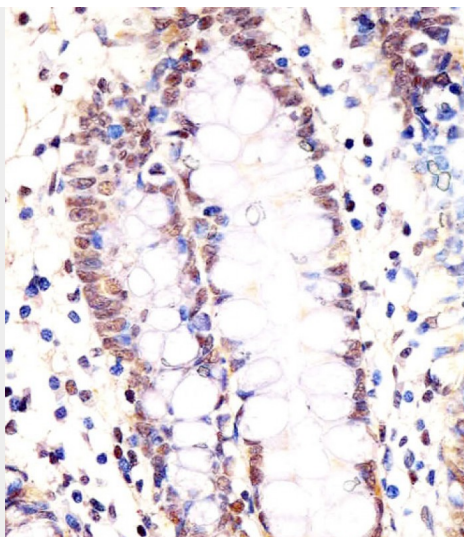
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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% NFDN/TBST.



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 hour 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.