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LSM5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2833b

Specification

LSM5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y4Y9

LSM5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 23658

Other Names
U6 snRNA-associated Sm-like protein LSm5, LSM5

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2833b was selected from the C-term region of human LSM5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LSM5 Antibody (C-term) Blocking Peptide - Protein Information

Name LSM5

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

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LSM5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

LSM5 Antibody (C-term) Blocking Peptide - Images

LSM5 Antibody (C-term) Blocking Peptide - Background

Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. 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.

LSM5 Antibody (C-term) Blocking Peptide - References

Lehner,B., Genome Res. 14 (7), 1315-1323 (2004)Ingelfinger,D., RNA 8 (12), 1489-1501 (2002)Eystathioy,T., Arthritis Rheum. 46 (3), 726-734 (2002)