

**LSM5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2833b****Specification**

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**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](/products/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](http://www.uniprot.org/citations/28781166)). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA (PubMed: [10523320](http://www.uniprot.org/citations/10523320)).

**Cellular Location**

Nucleus

## **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)