

**NOL5A Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2847a****Specification**

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**NOL5A Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O00567](#)**NOL5A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10528**Other Names**

Nucleolar protein 56, Nucleolar protein 5A, NOP56, NOL5A

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2847a](/products/AP2847a) was selected from the N-term region of human NOL5A. 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.

**NOL5A Antibody (N-term) Blocking Peptide - Protein Information****Name** NOP56 ([HGNC:15911](#))**Synonyms** NOL5A**Function**

Involved in the early to middle stages of 60S ribosomal subunit biogenesis. Required for the biogenesis of box C/D snoRNAs such U3, U8 and U14 snoRNAs (PubMed: [12777385](http://www.uniprot.org/citations/12777385), PubMed: [15574333](http://www.uniprot.org/citations/15574333)). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed: [34516797](http://www.uniprot.org/citations/34516797)). Core

component of box C/D small nucleolar ribonucleoprotein (snoRNP) complexes that function in methylation of multiple sites on ribosomal RNAs (rRNAs) and messenger RNAs (mRNAs) (PubMed:<a href="http://www.uniprot.org/citations/12777385" target="\_blank">12777385</a>, PubMed:<a href="http://www.uniprot.org/citations/39570315" target="\_blank">39570315</a>).

**Cellular Location**

Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q9D6Z1} Nucleus, nucleoplasm

**NOL5A Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NOL5A Antibody (N-term) Blocking Peptide - Images****NOL5A Antibody (N-term) Blocking Peptide - Background**

NOL5A is a yeast nucleolar protein that is part of a complex with the nucleolar proteins Nop58p and fibrillarin. This protein is required for assembly of the 60S ribosomal subunit and is involved in pre-rRNA processing. The protein is similar in sequence to Nop56p and is also found in the nucleolus.

**NOL5A Antibody (N-term) Blocking Peptide - References**

Gautier T., Berges T., Mol. Cell. Biol. 17:7088-7098(1997)