

NOP5/NOP58 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9202a**Specification**

NOP5/NOP58 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y2X3](#)**NOP5/NOP58 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 51602**Other Names**

Nucleolar protein 58, Nucleolar protein 5, NOP58, NOL5, NOP5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9202a](/products/AP9202a) was selected from the N-term region of human NOP5/NOP58. 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.

NOP5/NOP58 Antibody (N-term) Blocking Peptide - Protein Information**Name** NOP58 ([HGNC:29926](#))**Synonyms** NOL5, NOP5**Function**

Required for the biogenesis of box C/D snoRNAs such as U3, U8 and U14 snoRNAs (PubMed:[15574333](http://www.uniprot.org/citations/15574333), PubMed:[17636026](http://www.uniprot.org/citations/17636026), PubMed:[19620283](http://www.uniprot.org/citations/19620283), PubMed:[34516797](http://www.uniprot.org/citations/34516797)). 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:[15574333](#)).

href="http://www.uniprot.org/citations/34516797" target="_blank">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:39570315).

Cellular Location

Nucleus, nucleolus. Nucleus, nucleoplasm. Note=Localizes to the nucleolus with a minor part present in the nucleoplasm.

Tissue Location

Ubiquitous.

NOP5/NOP58 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NOP5/NOP58 Antibody (N-term) Blocking Peptide - Images**NOP5/NOP58 Antibody (N-term) Blocking Peptide - Background**

Nop5p (a.k.a. Nop58p), is localized in the nucleolus and required for pre-18S rRNA processing in *S. cerevisiae* (baker's yeast).

NOP5/NOP58 Antibody (N-term) Blocking Peptide - References

McKeegan,K.S., et.al., Mol. Cell. Biol. 29 (18), 4971-4981 (2009)McKeegan,K.S., et.al, Mol. Cell. Biol. 27 (19), 6782-6793 (2007)