

DIMT1L Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1207a**Specification**

DIMT1L Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UNQ2](#)**DIMT1L Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27292**Other Names**

Probable dimethyladenosine transferase, DIM1 dimethyladenosine transferase 1 homolog, DIM1 dimethyladenosine transferase 1-like, Probable 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase, Probable 18S rRNA dimethylase, Probable S-adenosylmethionine-6-N', N'-adenosyl(rRNA) dimethyltransferase, DIMT1, DIMT1L

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1207a](/products/AP1207a) was selected from the N-term region of human DIMT1L. 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.

DIMT1L Antibody (N-term) Blocking Peptide - Protein Information**Name** DIMT1 ([HGNC:30217](#))**Synonyms** DIMT1L**Function**

Specifically dimethylates two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle (PubMed:[25851604](http://www.uniprot.org/citations/25851604)). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production independently of its RNA-modifying catalytic activity (PubMed:[25851604](http://www.uniprot.org/citations/25851604)). 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).

Cellular Location

Nucleus, nucleoplasm. Nucleus, nucleolus

DIMT1L Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DIMT1L Antibody (N-term) Blocking Peptide - Images**DIMT1L Antibody (N-term) Blocking Peptide - Background**

DIMT1L specifically dimethylates two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle.

DIMT1L Antibody (N-term) Blocking Peptide - References

Law,S.F., Zhang,Y.Z. Mol. Cell. Biol. 18 (6), 3540-3551 (1998)Stanchi,F., Bertocco,E. Yeast 18 (1), 69-80 (2001)