

TRMT1 Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19479a**Specification**

TRMT1 Antibody(N-term) Blocking peptide - Product InformationPrimary Accession [Q9NXH9](#)**TRMT1 Antibody(N-term) Blocking peptide - Additional Information****Gene ID** 55621**Other Names**

tRNA (guanine(26)-N(2))-dimethyltransferase, tRNA 2, 2-dimethylguanosine-26 methyltransferase, tRNA(guanine-26, N(2)-N(2)) methyltransferase, tRNA(m(2, 2)G26)dimethyltransferase, TRMT1

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.

TRMT1 Antibody(N-term) Blocking peptide - Protein Information**Name** TRMT1 {ECO:0000303|PubMed:26308914, ECO:0000312|HGNC:HGNC:25980}**Function**

Dimethylates a single guanine residue at position 26 of most nuclear- and mitochondrial-encoded tRNAs using S-adenosyl-L-methionine as donor of the methyl groups (PubMed:10982862, PubMed:28784718, PubMed:37204604, PubMed:39786990). tRNA guanine(26)-dimethylation is required for redox homeostasis and ensure proper cellular proliferation and oxidative stress survival (PubMed:28784718).

Cellular Location

[Isoform 1]: Mitochondrion

TRMT1 Antibody(N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRMT1 Antibody(N-term) Blocking peptide - Images

TRMT1 Antibody(N-term) Blocking peptide - Background

Dimethylates a single guanine residue at position 26 of most tRNAs using S-adenosyl-L-methionine as donor of the methyl groups.

TRMT1 Antibody(N-term) Blocking peptide - References

Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)Grimwood, J., et al. Nature 428(6982):529-535(2004)Liu, J., et al. Nucleic Acids Res. 28(18):3445-3451(2000)