

N6AMT1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18103a**Specification**

N6AMT1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O9Y5N5](#)**N6AMT1 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 29104

Other Names

HemK methyltransferase family member 2, 211-, MHsaHemK2P, N(6)-adenine-specific DNA methyltransferase 1, N6AMT1, C21orf127, HEMK2

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.

N6AMT1 Antibody (N-term) Blocking Peptide - Protein Information**Name** N6AMT1 {ECO:0000303|PubMed:30017583, ECO:0000312|HGNC:HGNC:16021}**Function**

Methyltransferase that can methylate proteins and, to a lower extent, arsenic (PubMed:18539146, PubMed:21193388, PubMed:30017583, PubMed:31636962, PubMed:31061526). Catalytic subunit of a heterodimer with TRMT112, which monomethylates 'Lys-12' of histone H4 (H4K12me1), a modification present at the promoters of numerous genes encoding cell cycle regulators (PubMed:31061526). Catalytic subunit of a heterodimer with TRMT112, which catalyzes N5-methylation of Glu residue of proteins with a Gly-Gln-Xaa-Xaa-Xaa-Arg motif (PubMed:18539146, PubMed:31632689, PubMed:31636962). Methylates ETF1 on 'Gln-185'; ETF1 needs to be complexed to ERF3 in its GTP-bound form to be efficiently methylated (PubMed:18539146, PubMed:20606008).

target="_blank">20606008, PubMed:31636962, PubMed:31061526). May also play a role in the modulation of arsenic-induced toxicity by mediating the conversion of monomethylarsonous acid (3+) into the less toxic dimethylarsonic acid (PubMed:21193388, PubMed:25997655). It however only plays a limited role in arsenic metabolism compared with AS3MT (PubMed:25997655).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q6SKR2}.

Tissue Location

Widely expressed, with highest expression in parathyroid and pituitary glands, followed by adrenal gland and kidney, and lowest expression in leukocytes and mammary gland

N6AMT1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

N6AMT1 Antibody (N-term) Blocking Peptide - Images**N6AMT1 Antibody (N-term) Blocking Peptide - Background**

The protein encoded by this gene belongs to the methyltransferase superfamily. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

N6AMT1 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Figaro, S., et al. FEBS Lett. 582(16):2352-2356(2008)Seshadri, S., et al. BMC Med. Genet. 8 SUPPL 1, S15 (2007) :Hwang, S.J., et al. BMC Med. Genet. 8 SUPPL 1, S10 (2007) :