

MGMT Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12883a**Specification**

MGMT Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P16455](#)**MGMT Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 4255**Other Names**

Methylated-DNA--protein-cysteine methyltransferase, 6-O-methylguanine-DNA methyltransferase, MGMT, O-6-methylguanine-DNA-alkyltransferase, MGMT

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.

MGMT Antibody (N-term) Blocking peptide - Protein Information**Name** MGMT**Function**

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) and O4-methylthymine (O4-MeT) in DNA. Repairs the methylated nucleobase in DNA by stoichiometrically transferring the methyl group to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.

Cellular Location

Nucleus.

MGMT Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MGMT Antibody (N-term) Blocking peptide - Images

MGMT Antibody (N-term) Blocking peptide - Background

MGMT is involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) in DNA. Repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.

MGMT Antibody (N-term) Blocking peptide - References

Svrcek, M., et al. Gut 59(11):1516-1526(2010)Palli, D., et al. Mutagenesis 25(6):569-575(2010)Kim, M., et al. Cancer Sci. 101(11):2436-2442(2010)Mangoni, M., et al. Int. J. Radiat. Oncol. Biol. Phys. (2010) In press :Jacob, R., et al. Anticancer Res. 30(7):2561-2566(2010)