

## MGMT

**Reactivity:** Human

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 22kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant Protein of human MGMT

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

ef

**Catalog #:** A0052

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 4255

**Isotype:** IgG

**Swiss Prot:** P16455

**Purity:** Affinity purification

For research use only.

**Background:**

MGMT is the primary vehicle for cellular removal of alkyl lesions from the O-6 position of guanine and the O-4 position of thymine. While key to the maintenance of genomic integrity, MGMT also removes damage induced by alkylating chemotherapies, inhibiting the efficacy of cancer treatment [PMID:23065697]. MGMT is the primary mechanism for the removal of alkylation damage from the O-6 position of guanine [PMID: 17482892]. The O-6 position of guanine is one of several positions in DNA bases to which alkyl groups are attached in SN1 alkylation reactions, and this repair has been well-characterized in mammalian cells and via MGMT homologs in bacteria and Archaea.[PMID: 10767620]

**To place an order, please [Click HERE](#).**