



MGMT Polyclonal Antibody

E90693

Catalog Number: E90693

Amount: 100ul

Background: MGMT (O-6-methylguanine-DNA methyltransferase) is a DNA repair enzyme that participates in a suicide reaction that specifically removes methyl or alkyl groups from the O(6) position of guanine, restoring guanine to its normal form without causing DNA breaks (1). MGMT protects cells from alkylating toxins, and is an important factor in drug resistance to alkylating therapeutic agents (2,3). It is ubiquitously expressed in normal human tissues (4) and is overexpressed in many types of human tumors, but epigenetically silenced in other tumors. MGMT silencing is a marker associated with poor prognosis, but is a good predictive marker for response to alkylating agent chemotherapy (5).

Species: Rabbit

Isotype: IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: MGMT

Immunogen: Recombinant protein of human MGMT

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 22kDa

Swiss-Prot No. : P16455

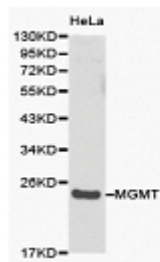
Gene ID: 4255

References: 1. Pegg, A.E. (2000) Mutat. Res. 462, 83-100. 2. Bobola, M.S. et al. (2005) Clin. Cancer Res. 11, 2747-2755. 3. Pollack, I.F. et al. (2006) J. Clin. Oncol. 24, 3431-3437. 4. Gerson, S.L. et al. (1986) Carcinogenesis 7, 745-749. 5. Soejima, H. et al. (2005) Biochem. Cell Biol. 83, 429-437.

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WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of HeLa cell lysate using MGMT antibody.