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MGMT (C) Antibody, Rabbit Polyclonal

Cat#: R1598-2

Quantity: 100 ul

Predicted | Observed M.W.: 9 | 20 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P16455

Background:

Methylated-DNA--protein-cysteine methyltransferase (MGMT) is involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) in DNA. MGMT 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.

Other Names:

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

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human MGMT. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

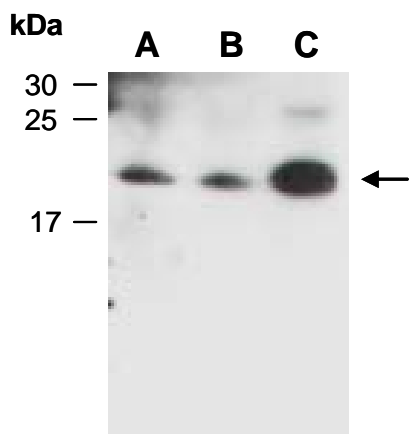


Fig 1. Western blot of total cell extracts from A) mouse thymus; B) human HeLa; C) human Jurkat; using anti-MGMT (C) (R1598-2) at RT for 2 h.