MGMT Antibody



PACO14699

lgG

Product Information

Size: Protein Background:

50ul MGMT (O6-methylguanine-DNA methyltransferase) is transcriptionally activated in response to DNA damage and functions to repair mutagenic and cytotoxic O6-

Reactivity:

alkylguanine lesions caused by carcinogens or cytostatic drugs. MGMT induction by ionising radiation does not occur in p53-deficient mice, suggesting that MGMT

induction may require p53. Similarly, MGMT mRNA and protein were shown to be

Source:

inducible by ionising radiation, only in cell lines that express functional p53, and not in

inducible by ionising radiation, only in cell lines that express functional p53, and not in cell lines that do not express wild type p53. In contrast, high MGMT activity was

Rabbit

associated with the presence of mutant p53, in a study of oral cancer cell lines. Similarly,

MGMT activity was significantly lower in ovarian tumors with wildtype p53 than in

tumors with mutant p53, supporting the view that wildtype p53 down-regulates the

basal MGMT promoter.

Applications: Gene ID:

ELISA, WB MGMT

Recommended dilutions: Uniprot

ELISA:1:1000-1:2000, WB:1:200-1:1000 P16455

Synonyms:

O-6-methylguanine-DNA methyltransferase

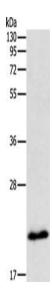
Immunogen:

Fusion protein of human MGMT.

Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images



Gel: 10%SDS-PAGE, Lysate: 40 μ g, Lane: Raji cells, Primary antibody: PACO14699(MGMT Antibody) at dilution 1/150, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 40 seconds.