

MGMT polyclonal antibody

Catalog: BS90853

Host: Rabbit

Reactivity: Human

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. MGMT protects cells from alkylating toxins, and is an important factor in drug resistance to alkylating therapeutic agents. It is ubiquitously expressed in normal human tissues 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

22 kDa

Swiss-Prot:

P16455

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:500-1:1,000

ICC:1:200

IHC:1:200

FC:1:100

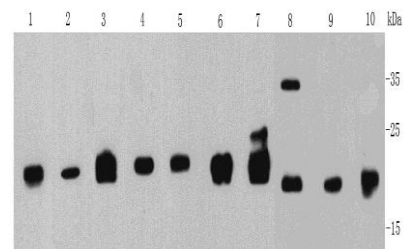
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

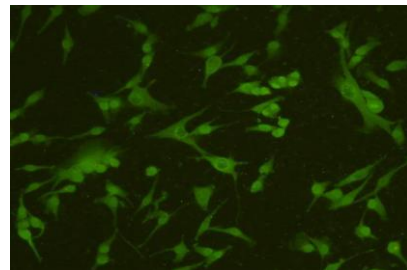
Specificity:

MGMT polyclonal antibody detects endogenous levels of MGMT protein.

DATA:



Western blot analysis of MGMT on different cell lysates using anti-MGMT antibody at 1/1000 dilution. Positive control: Lane 1: Hela Lane 2: MCF-7 Lane 3: Daudi Lane 4: Raji Lane 5: SK-BR-3 Lane 6: SKOV3 Lane 7: Human liver Lane 8: Human kidney Lane 9: Human thymus Lane 10: Human placenta



ICC staining MGMT in A172 cells (green). Cells were fixed in para-formaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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