

MGMT (ZR434)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Purified His-tagged MGMT protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: MGMT (ZR434) Rabbit Monoclonal primary antibody detects MGMT protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain MGMT protein.

Localization: Nucleus.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Cancer chemotherapeutic alkylating agents (e.g. BCNU,) act by inducing the formation of lethal cross-links at the O6-alkylguanine position in DNA. MGMT transfers alkyl adducts from the O6-position of guanine in DNA (prior to crosslink formation) to a cysteine residue in its own sequence, thereby restoring DNA to its intact state. This transfer inactivates the MGMT enzyme and is irreversible; hence, the level of MGMT in a cell is directly proportional to the level of DNA damage tolerance. In normal tissues, MGMT acts as a suppressor of mutation and carcinogenesis. Tumors with high levels of MGMT are assumed likely to be drug resistant.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Sasai K, et al. Am J Surg Pathol. 2008;32(8):1220-7.
2. Hsu CY, et al. Am J Surg Pathol. 2013;37(2):264-71.

REF Z2790RL/ Z2790RS/ Z2790RT/ Z2790RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)




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RUO
(research
use only)

LOT
(lot number)

REF
(catalogue
number)


(expiry date)


(temperature
limit)


(consult
Instructions
for Use)