

MGMT Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50240

Clone# BP6217

Predicted Molecular Wt: 22kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P16455

Background:

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) in DNA. 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.

Subcellular location:

Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

A synthetic peptide corresponding to residues on the N-terminus of human MGMT was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-25°C to -18°C

Storage instructions:

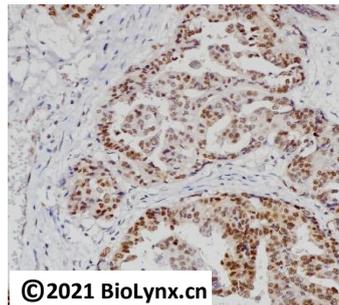
Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Bobola, M.S. et al. (2005) Clin. Cancer Res. 11, 2747-2755.
2. Pollack, I.F. et al. (2006) J. Clin. Oncol. 24, 3431-3437.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human endometrial cancer tissue labelling MGMT with BP6217. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.