

**MGMT. Rabbit Antigen Immunoaffinity Purified Polyclonal**

Methylated-DNA--Protein-Cysteine Methyltransferase; 6-O-methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase

**BACKGROUND**

The MGMT enzyme is 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.

**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2730P

**SIZE**  
100  $\mu$ g  
**FORM**  
Affinity Purified

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**  
See vial for concentration

**ISOTYPE**  
Ig

**APPLICATIONS**  
Western Blot, Immunohistochemistry

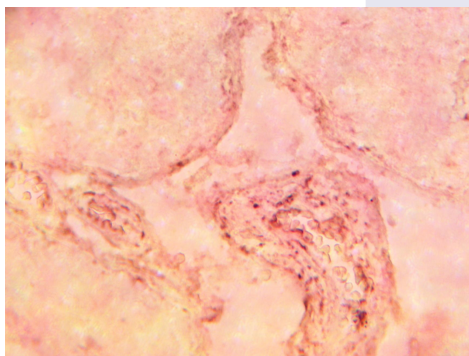
**SPECIES REACTIVITY**  
Human

**ACCESSION NUMBER**  
Human P16455

**IMMUNOGEN**

Synthetic peptide to human MGMT

Immunohistochemical staining of normal human testis tissue using MGMT antibody (Cat. No. X2730P) at 10  $\mu$ g/ml and detected using anti-Rabbit HRP secondary antibody and visualized using DAB substrate and hematoxylin counterstain.



**POSITIVE CONTROL/TISSUE EXPRESSION**

Found in the nucleus

**COMMENTS**

Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES****PRODUCT SPECIFIC REFERENCES**