Product Name: MGMT Rabbit Monoclonal Antibody
Catalog #: AMRe01402
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.64mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 22 kDa; Observed MW: 22 kDa

Antigen Information

Gene Name	MGMT
Alternative Names	Methylated-DNA--protein-cysteine methyltransferase
Gene ID	4255
SwissProt ID	P16455
Immunogen	A synthetic peptide of human MGMT

Background

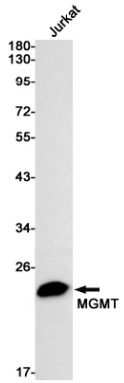
MGMT (O-6-methylguanine-DNA methyltransferase) is a DNA repair enzyme that participates in a suicide reaction that specifically removes methyl or alkyl groups from the O(6) position of guanine, restoring guanine to its normal form without

causing DNA breaks. MGMT protects cells from alkylating toxins, and is an important factor in drug resistance to alkylating therapeutic agents.

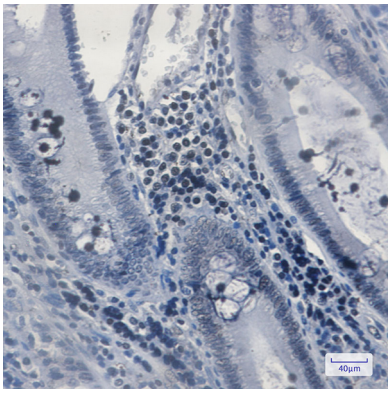
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of MGMT in Jurkat lysates using MGMT antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using MGMT antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.