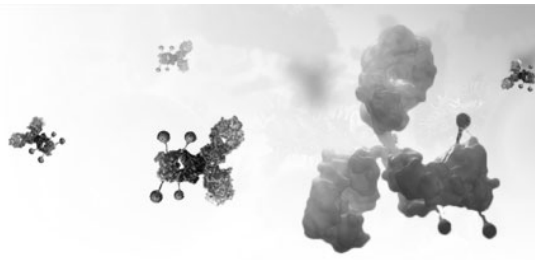

Rabbit Anti-Human MGMT Polyclonal Antibody (CABT-L2182)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to O-6-Methylguanine DNA Methyltransferase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against MGMT. It has been selected for its ability to recognize MGMT in immunohistochemical staining and western blotting.
Target	MGMT
Immunogen	Recombinant fragment corresponding to human MGMT (Met1~Asn207)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags
Warnings	For research use only.

BACKGROUND

Introduction	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.
Keywords	Methylated-DNA--Protein-Cysteine Methyltransferase;6-O-methylguanine-DNA methyltransferase;Methylated-DNA--protein-cysteine methyltransferase

GENE INFORMATION

Gene Name	MGMT O-6-methylguanine-DNA methyltransferase [Homo sapiens (human)]
Official Symbol	MGMT
Synonyms	MGMT; O-6-methylguanine-DNA methyltransferase; methylated-DNA--protein-cysteine methyltransferase; methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; O6-methylguanine-DNA methyltransferase; 6-O-methylguanine-DNA methyltransferase;
Entrez Gene ID	4255
Protein Refseq	NP_002403
UniProt ID	B4DEE8
Chromosome Location	10q26
Pathway	DNA Damage Reversal; DNA Repair;
Function	DNA binding; DNA-methyltransferase activity; calcium ion binding; damaged DNA binding; methylated-DNA-[protein]-cysteine S-methyltransferase activity; methyltransferase activity;

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