

Datasheet for ABIN3032084  
**anti-MGMT antibody (AA 1-30)**



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3 Images

## Overview

Quantity:	0.4 mL
Target:	MGMT
Binding Specificity:	AA 1-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MGMT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	A portion of amino acids 1-30 from the human protein was used as the immunogen for this MGMT antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

## Target Details

Target:	MGMT
Alternative Name:	MGMT ( <a href="#">MGMT Products</a> )
Background:	MGMT 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

Target Details

	enzyme is irreversibly inactivated.
UniProt:	P16455
Pathways:	DNA Damage Repair, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Titration of the MGMT antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

Handling

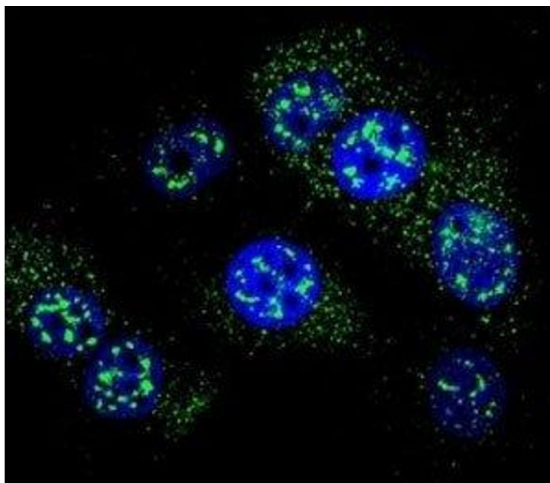
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the MGMT antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** MGMT antibody western blot analysis in CEM lysate.



#### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of MGMT antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



#### Western Blotting

**Image 3.** MGMT antibody western blot analysis in CEM lysate.