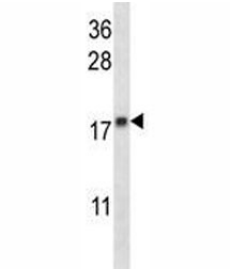
MGMT Rabbit Polyclonal Antibody (F43302)

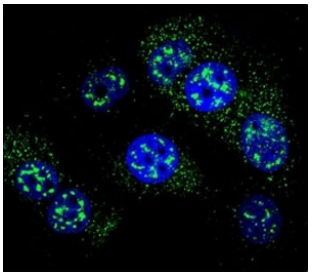
Catalog No.	Formulation	Size
F43302-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43302-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P16455
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50
Limitations	This MGMT Rabbit Polyclonal Antibody is available for research use only.



MGMT Rabbit Polyclonal Antibody western blot analysis in CEM lysate.



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

Description

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 enzyme is irreversibly inactivated.

For studies requiring a monoclonal reagent with knockout-validated western blot specificity, see our MGMT Antibody IDD-13.

Application Notes

Titration of the MGMT Rabbit Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this MGMT antibody.

Storage

Aliquot the MGMT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.