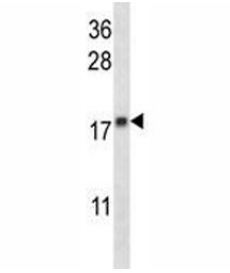
MGMT Antibody (F43302)

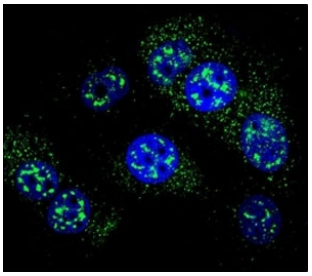
Catalog No.	Formulation	Size
F43302-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43302-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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 antibody is available for research use only.



MGMT antibody western blot analysis in CEM lysate.



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).

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.

Application Notes

Titration of the MGMT 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.

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