

Product datasheet for **UM800006CF**

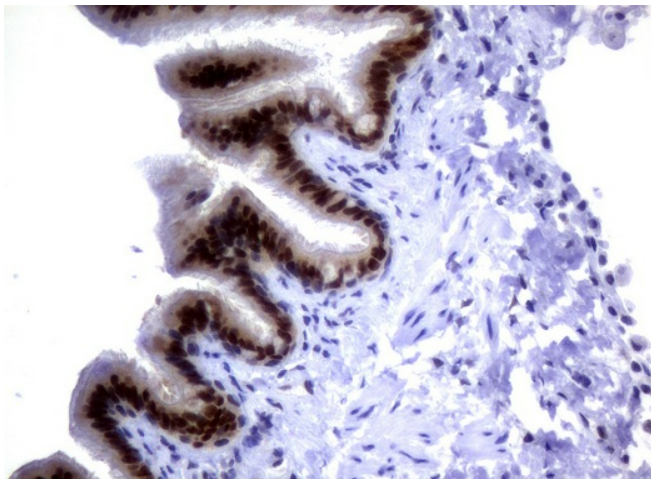
MGMT Mouse Monoclonal Antibody [Clone ID: UMAB52]

Product data:

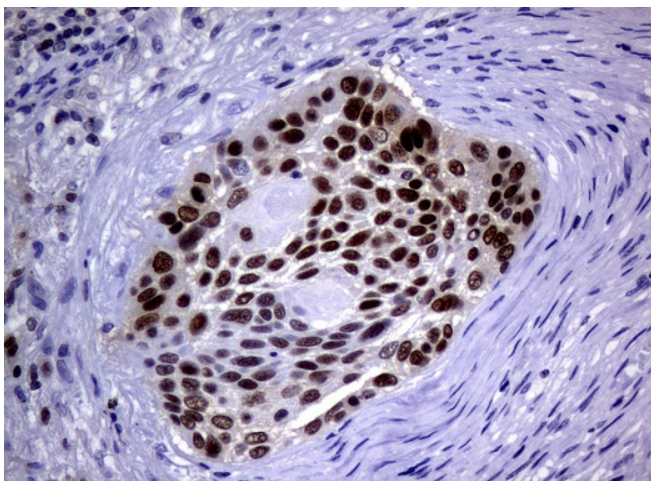
Product Type:	Primary Antibodies
Clone Name:	UMAB52
Applications:	IF, IHC, WB
Recommended Dilution:	IHC 1:50, IF 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MGMT (NP_002403) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	O-6-methylguanine-DNA methyltransferase
Database Link:	NP_002403 Entrez Gene 4255 Human P16455
Synonyms:	methylguanine-DNA methyltransferase; O-6-methylguanine-DNA methyltransferase; O6-methylguanine-DNA methyltransferase; OTTHUMP00000020741
Protein Families:	Druggable Genome



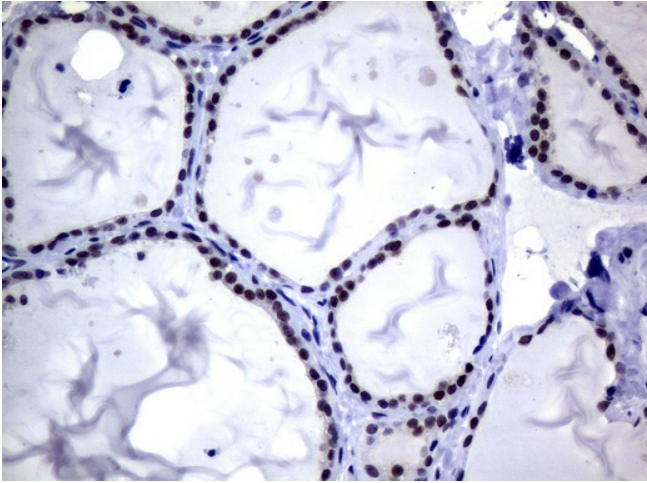
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Product images:

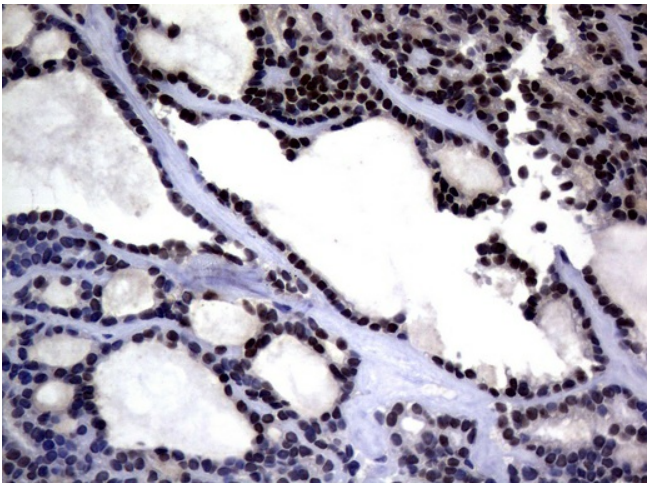
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-MGMT mouse monoclonal antibody. ([UM800006]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



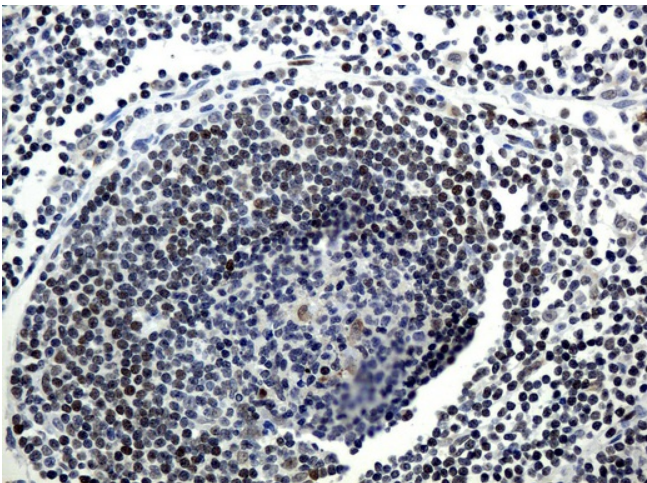
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MGMT mouse monoclonal antibody. ([UM800006]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



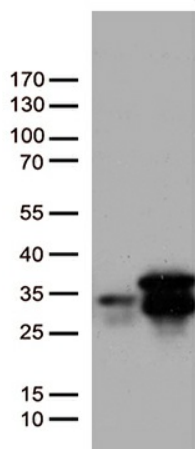
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-MGMT mouse monoclonal antibody. (UM800006); heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



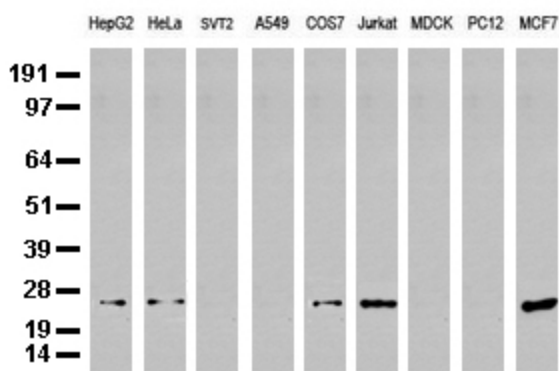
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MGMT mouse monoclonal antibody. (UM800006); heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



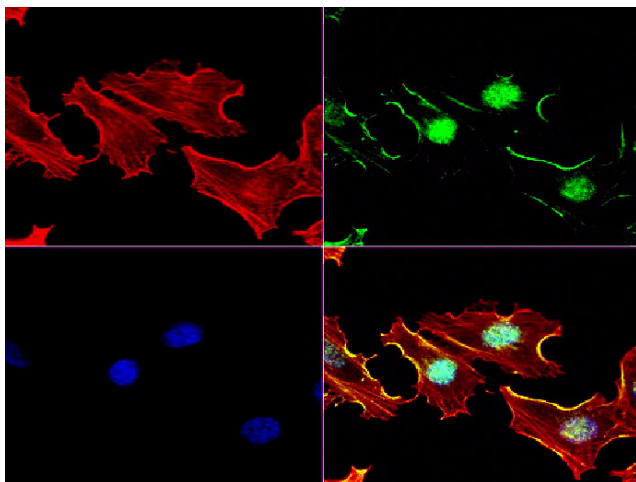
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-MGMT mouse monoclonal antibody. (UM800006); heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



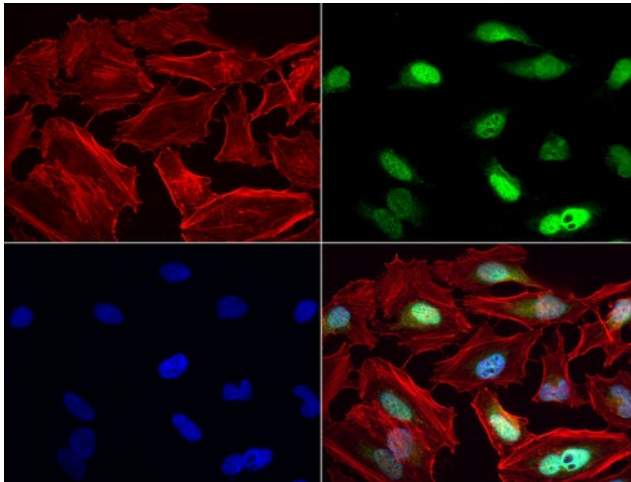
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MGMT ([RC229131], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MGMT (1:500).



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MGMT monoclonal antibody (Clone UMAB52).



Immunofluorescent staining of HeLa cells using MGMT mouse monoclonal antibody ([UM800006], green). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue). The three-color overlay image is located at the bottom-right corner.



Immunofluorescent staining of HeLa cells using anti-MGMT mouse monoclonal antibody ([UM800006], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).