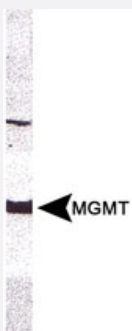


MGMT monoclonal antibody, clone MT 23.2

Catalog # MAB2383

Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MGMT in CEM whole cell extract using MGMT monoclonal antibody, clone MT 23.2 (Cat # MAB2383) at 1 : 100 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant MGMT.
Immunogen	Recombinant protein corresponding to human MGMT.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to MGMT.
Form	Liquid
Isotype	IgG2b
Recommend Usage	Flow Cytometry (1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MGMT in CEM whole cell extract using MGMT monoclonal antibody, clone MT 23.2 (Cat # MAB2383) at 1 : 100 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry

- Flow Cytometry

Gene Info — MGMT

Entrez GeneID	4255
Gene Name	MGMT
Gene Alias	-
Gene Description	O-6-methylguanine-DNA methyltransferase
Omim ID	156569
Gene Ontology	Hyperlink
Other Designations	O6-methylguanine-DNA methyltransferase OTTHUMP00000020741 methylguanine-DNA methyltransferase

Publication Reference

- [Mitochondrial targeting of human O6-methylguanine DNA methyltransferase protects against cell killing by chemotherapeutic alkylating agents.](#)

Cai S, Xu Y, Cooper RJ, Ferkowicz MJ, Hartwell JR, Pollok KE, Kelley MR.

Cancer Research 2005 Apr; 65(8):3319.

Application: IF, WB-Ce, WB-Tr, Human, K562, HL-60, MDA231, SKOV-3, SKOV-3X, Hey, A204, HOS, LnCap, PC3, SJRH30 cells

- [O6-methylguanine-DNA methyltransferase gene: epigenetic silencing and prognostic value in head and neck squamous cell carcinoma.](#)

Zuo C, Ai L, Ratliff P, Suen JY, Hanna E, Brent TP, Fan CY.

Cancer Epidemiology, Biomarkers & Prevention 2004 Jun; 13(6):967.

Application: IHC-P, Human, Human head and neck squamous cell carcinoma

- [Human-yeast chimeric repair protein protects mammalian cells against alkylating agents: enhancement of MGMT protection.](#)

Roth TJ, Xu Y, Luo M, Kelley MR.

Cancer Gene Therapy 2003 Aug; 10(8):603.

Application: WB, Human, K-562 cells

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alzheimer Disease](#)
- [Astrocytoma](#)
- [Ataxia telangiectasia](#)
- [Biliary Tract Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Colon cancer](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
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- [Stomach Neoplasms](#)
- [Thrombocytopenia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)