

# MGMT Rabbit mAb

Catalog No.: A11151 **Recombinant**

## Basic Information

### Observed MW

22kDa

### Calculated MW

22kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0529

## Background

Alkylating agents are potent carcinogens that can result in cell death, mutation and cancer. The protein encoded by this gene is a DNA repair protein that is involved in cellular defense against mutagenesis and toxicity from alkylating agents. The protein catalyzes transfer of methyl groups from O(6)-alkylguanine and other methylated moieties of the DNA to its own molecule, which repairs the toxic lesions. Methylation of the genes promoter has been associated with several cancer types, including colorectal cancer, lung cancer, lymphoma and glioblastoma.

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4255

### Swiss Prot

P16455

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

MGMT; O-6-methylguanine-DNA methyltransferase

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

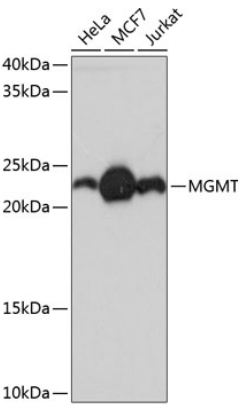
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates using MGMT Rabbit mAb (A11151) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.