

# MGMT Rabbit pAb

Catalog No.: A0693 **2 Publications**

## Basic Information

### Catalog No.

A0693

### Observed MW

22KDa

### Calculated MW

21kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse

## Recommended Dilutions

**WB** 1:500 - 1:2000

## 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.

## Immunogen Information

### Gene ID

4255

### Swiss Prot

P16455

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-207 of human MGMT (XP\_005252739.1).

### Synonyms

MGMT

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

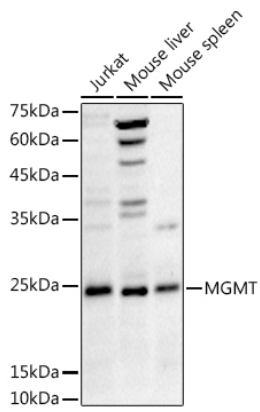
### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using MGMT antibody (A0693) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.