

A0052

Leader in Biomolecular Solutions for Life Science



## MGMT Rabbit pAb

Catalog No.: A0052

### Basic Information

**Observed MW**

22kDa

**Calculated MW**

22kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human

### 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 1:500 - 1:2000

### Immunogen Information

**Gene ID**

4255

**Swiss Prot**

P16455

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-207 of human MGMT (NP\_002403.2).

**Synonyms**

MGMT

### Contact



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

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

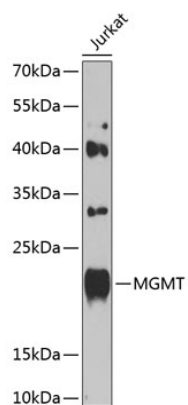
**Storage**

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of Jurkat cells, using MGMT antibody (A0052) at 1:1000 dilution. Secondary antibody: HRP 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 Enhanced Kit (RM00021). Exposure time: 30s.