

## MBD4 Polyclonal Antibody

**CATALOG NO:** 3056-30T 30 µg (Trial size)  
3056-100 100 µg

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 474 of mouse MBD4

**INTERNAL ID#:** BV-J72

**HOST:** Rabbit

**SPECIES REACTIVITY:** Human, Mouse, Rat

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-MBD4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

### STORAGE CONDITIONS:

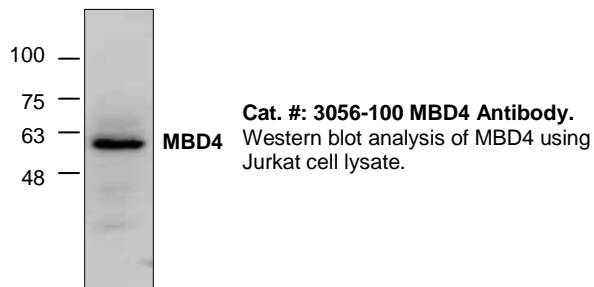
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

MBD4 (methyl-CpG-binding domain protein 4) belongs to the MBD family of nuclear proteins that bind to methylated CpG sites and represses gene transcription. Human proteins MECP2, MBD1, MBD2, and MBD4, except MBD3 bind specifically to methylated DNA. MBD4 exhibits thymine glycosylase activity and is known to play an important function in DNA mismatch repair and apoptosis.

### APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3056BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

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