

## MBD2a Polyclonal Antibody

**CATALOG NO:** 3232-30T 30 µg (Trial size)  
3232-100 100 µg

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 164 of rat MBD2a

**INTERNAL ID#:** BV-J69

**HOST:** Rabbit

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

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti- MBD2a 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:

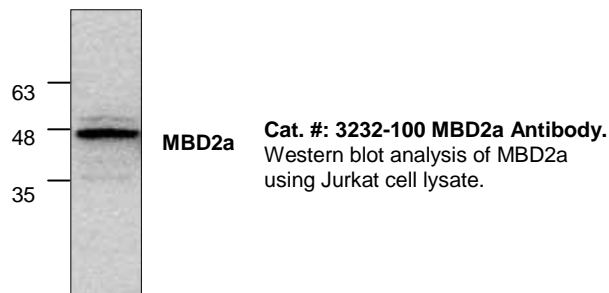
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

The MBD family of proteins includes MeCP2, MBD1, MBD2, MBD3 and MBD4. MBD2 is highly similar to MBD3 but only MBD2 targets the MeCP1 complex to methylate DNA. MBD2 has two isoforms, MBD2a and MBD2b. MBD2a is a 414 amino acids protein, whereas MBD2b lacks the 152 amino acids N-terminal extension. MBD2a interacts with RNA helicase A to enhance CREB-dependent gene expression.

### 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.# 3232BP-50) is available separately.



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

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