

MBD1 Polyclonal Antibody

CATALOG NO: 3281-30T 30 µg (Trial size)
3281-100 100 µg

IMMUNOGEN: Synthetic peptide surrounding amino acid 594 of human MBD1

INTERNAL ID#: BV-J68

HOST: Rabbit

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION:

0.5 mg/ml affinity purified rabbit anti- MBD1 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:

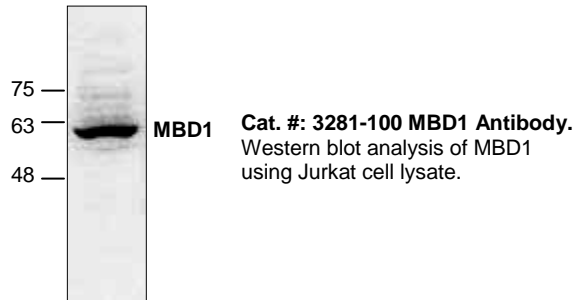
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

The MBD family of proteins includes MeCP2, MBD1, MBD2, MBD3 and MBD4. MBD1 (methyl-CpG binding domain protein 1) binds to methylated CpG sites and represses gene transcription. MBD1 is recruited to both methylated and non-methylated CpGs by separate domains: the CXXC domain targets the protein to non-methylated CpGs whereas the MBD domain targets the protein to methylated CpG. MBD1 may also interact with histone methyltransferase SETDB1 to repress transcription.

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.# 3281BP-50) is available separately.



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