

Anti-MBD1 Antibody (Monoclonal, 35M14)

Catalog Number: M02336-2

About Mbd1

MBD1(Methyl-CpG-Binding Domain Protein 1), also known as PCM1 or CXXC3, is a protein that in humans is encoded by the MBD1 gene. Using PCR on a hybrid panel and FISH, Hendrich et al.(1999) mapped the MBD1 gene to chromosome 18q21, 2.1 cM distal to MBD2. Using yeast 2-hybrid analysis, reciprocal immunoprecipitation analysis, and protein pull-down assays, Fujita et al.(2003) showed that MBD1 interacted directly with MCAF. Deletion analysis revealed that the C-terminal transcriptional repressor domain(TRD) of MBD1 interacted with a conserved C-terminal domain of MCAF. Reporter gene assays showed that MCAF increased the repressive function of the isolated TRD of MBD1 against SP1. Chromatin immunoprecipitation analysis revealed that MBD1 linked MCAF to methylated promoters. Uchimura et al.(2006) found that MBD1 was multiply sumoylated in HeLa cells. Sumoylation did not alter the intracellular localization of MBD1 at nuclear foci in C-33A human cervical cancer cells.

Overview

Product Name	Anti-MBD1 Antibody (Monoclonal, 35M14)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-MBD1 Antibody (Monoclonal, 35M14) catalog # M02336-2. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Mouse, Rat.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal 35M14
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9Z2E2

Technical Details

Immunogen	Recombinant protein within mouse MBD1 aa 3-198.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunocytochemistry/Immunofluorescence, 1:50-200
Flow Cytometry (Fixed), 1:50-200

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-MBD1 Antibody (Monoclonal, 35M14)

For Research Use Only. Not for use in diagnostic procedures.