

MBD3 Polyclonal Antibody

Catalog # AP70854

Product Information

Application	WB
Primary Accession	O95983
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32844

Additional Information

Gene ID	53615
Other Names	MBD3; Methyl-CpG-binding domain protein 3; Methyl-CpG-binding protein MBD3
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	MBD3
Function	Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: 12124384 , PubMed: 16428440 , PubMed: 28977666). Acts as transcriptional repressor and plays a role in gene silencing (PubMed: 10947852 , PubMed: 18644863). Does not bind to methylated DNA by itself (PubMed: 12124384 , PubMed: 16428440). Binds to a lesser degree DNA containing unmethylated CpG dinucleotides (PubMed: 24307175). Recruits histone deacetylases and DNA methyltransferases.
Cellular Location	Nucleus. Chromosome. Note=Nuclear, in discrete foci. Detected on chromatin, at promoter regions of active genes

Background

Acts as transcriptional repressor and plays a role in gene silencing. Does not bind to DNA by itself (PubMed:[12124384](#)). Binds to DNA with a preference for sites containing methylated CpG dinucleotides (in

vitro). Binds to a lesser degree DNA containing unmethylated CpG dinucleotides (PubMed:[24307175](#)). Recruits histone deacetylases and DNA methyltransferases.

Images



Western Blot analysis of various cells using MBD3 Polyclonal Antibody

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