

MBD3 Antibody
Rabbit mAb
Catalog # AP92636**Specification****MBD3 Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	O95983
Reactivity	Rat
Clonality	Monoclonal

Other Names

Mbd3; Methyl CpG binding domain protein 3;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	32844 Da

MBD3 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MBD3
Description	Does not bind DNA by itself. Recruits histone deacetylases and DNA methyltransferases. Acts as transcriptional repressor and plays a role in gene silencing.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

MBD3 Antibody - Protein Information**Name** MBD3**Function**

Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: [12124384](http://www.uniprot.org/citations/12124384), PubMed: [16428440](http://www.uniprot.org/citations/16428440), PubMed: [28977666](http://www.uniprot.org/citations/28977666)). Acts as transcriptional repressor and plays a role in gene silencing (PubMed: [10947852](http://www.uniprot.org/citations/10947852), PubMed: [18644863](http://www.uniprot.org/citations/18644863)). Does not bind to methylated DNA by itself (PubMed: [18644863](http://www.uniprot.org/citations/18644863)).

<http://www.uniprot.org/citations/12124384> target="_blank">12124384, PubMed:<<http://www.uniprot.org/citations/16428440> target="_blank">16428440). Binds to a lesser degree DNA containing unmethylated CpG dinucleotides (PubMed:<<http://www.uniprot.org/citations/24307175> target="_blank">24307175). Recruits histone deacetylases and DNA methyltransferases.

Cellular Location

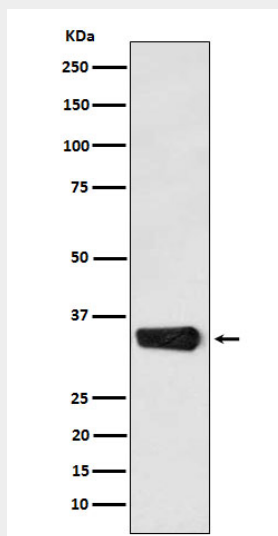
Nucleus. Chromosome. Note=Nuclear, in discrete foci. Detected on chromatin, at promoter regions of active genes

MBD3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MBD3 Antibody - Images



Western blot analysis of MBD3 expression in HeLa cell lysate.