

MBD3 Polyclonal Antibody
Catalog # AP70854**Specification**

MBD3 Polyclonal Antibody - Product Information

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

MBD3 Polyclonal Antibody - 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

MBD3 Polyclonal 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: [12124384](http://www.uniprot.org/citations/12124384), PubMed: [16428440](http://www.uniprot.org/citations/16428440)). Binds to a lesser degree DNA containing unmethylated CpG dinucleotides (PubMed: [24307175](http://www.uniprot.org/citations/24307175)). Recruits histone deacetylases and DNA methyltransferases.

Cellular Location

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

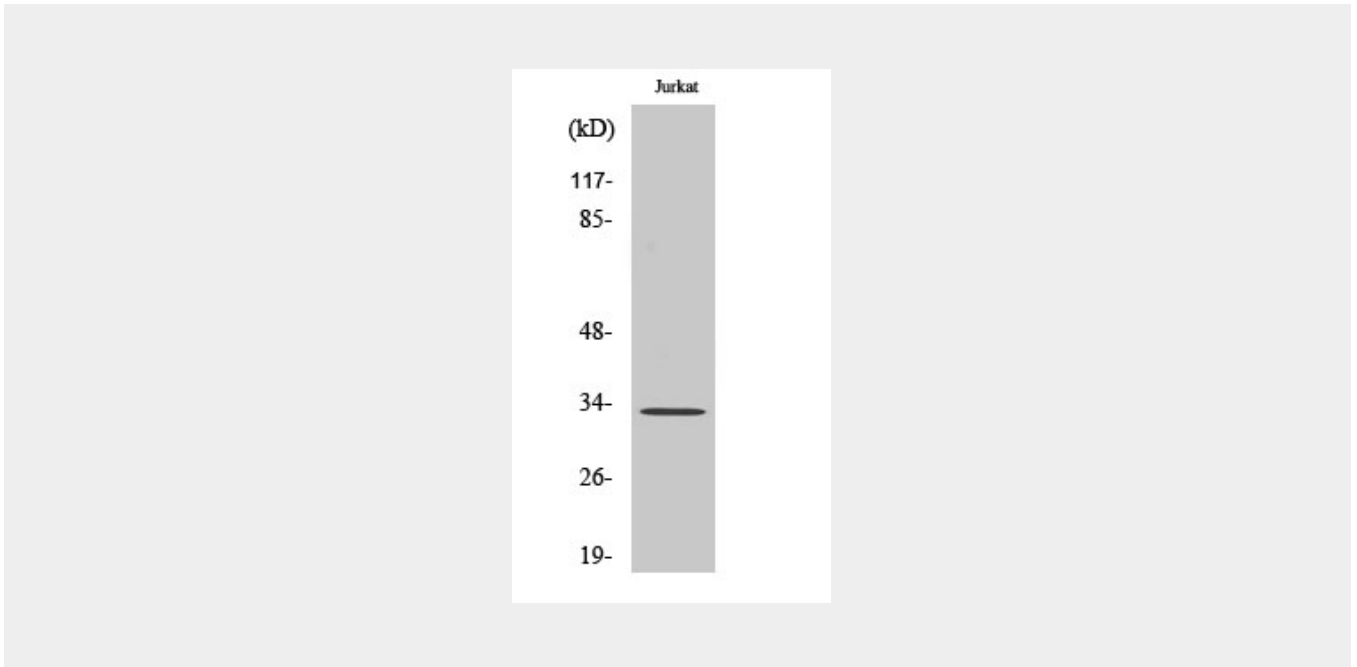
of active genes

MBD3 Polyclonal 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 Polyclonal Antibody - Images



MBD3 Polyclonal Antibody - 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.