

# MBD3 Polyclonal Antibody

Catalog # AP70854

## Product Information

---

<b>Application</b>	WB, E, IHC-P
<b>Primary Accession</b>	<a href="#">O95983</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	32844

## Additional Information

---

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

## Protein Information

---

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

## Background

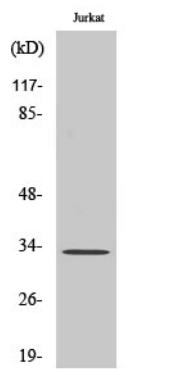
---

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](https://pubmed.ncbi.nlm.nih.gov/24307175/)). Recruits histone deacetylases and DNA methyltransferases.

## Images

---



Western Blot analysis of various cells using MBD3 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.