10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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℃

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, 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

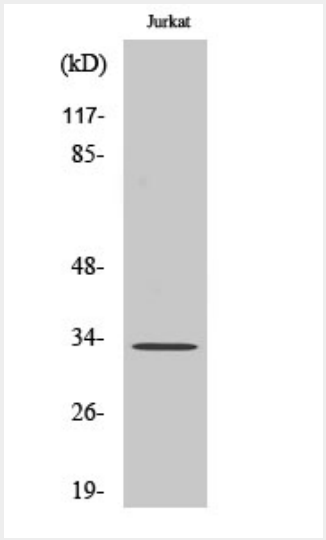
of active genes

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 Cytomety
- 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.