

MBD3 Antibody

Rabbit mAb

Catalog # AP92043

Product Information

Application WB, IF, FC, ICC, IP
Primary Accession [O95983](#)
Reactivity Rat, Human, Mouse
Clonality Monoclonal
Other Names Mbd3;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 32844

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
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.

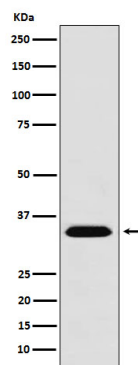
Protein Information

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

Images



Western blot analysis of MBD3 expression in 293T cell lysate.

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