

MBD3 Antibody

Rabbit mAb Catalog # AP92636

Product Information

Application WB, IHC, IF, ICC, IHF

Primary Accession 095983

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names Mbd3; Methyl CpG binding domain protein 3;

IsotypeRabbit IgGHostRabbitCalculated MW32844

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

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:<u>16428440</u>, PubMed:<u>28977666</u>). Acts as transcriptional repressor and plays a role in gene silencing (PubMed:<u>10947852</u>, PubMed:<u>18644863</u>). Does not bind to methylated DNA by itself (PubMed:<u>12124384</u>, PubMed:<u>16428440</u>). Binds to a lesser degree DNA containing unmethylated CpG dinucleotides

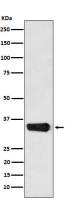
(PubMed:24307175). Recruits histone deacetylases and DNA

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 Hela cell lysate.

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