



MBD3 rabbit pAb

Cat No.:ES2756

For research use only

Overview

Product Name	MBD3 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human MBD3. AA range:221-270
Specificity	MBD3 Polyclonal Antibody detects endogenous levels of MBD3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Methyl-CpG-binding domain protein 3
Gene Name	MBD3
Cellular localization	Nucleus. Chromosome. Nuclear, in discrete foci. Detected on chromatin, at promoter regions of active genes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	33kD
Human Gene ID	53615
Human Swiss-Prot Number	O95983
Alternative Names	MBD3; Methyl-CpG-binding domain protein 3; Methyl-CpG-binding protein MBD3
Background	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. This gene belongs to a family of nuclear proteins which are characterized by the presence of a methyl-CpG binding domain

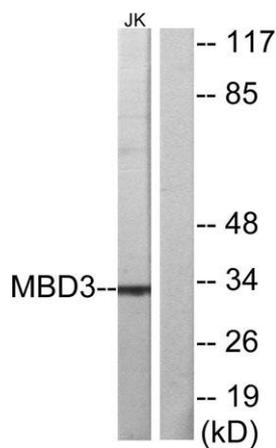




(MBD). The encoded protein is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. Unlike the other family members, the encoded protein is not capable of binding to methylated DNA. The protein mediates the association of metastasis-associated protein 2 with the core histone deacetylase complex. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013],



Western Blot analysis of various cells using MBD3 Polyclonal Antibody

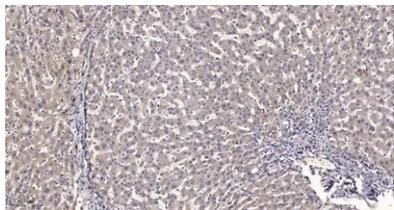


Western blot analysis of lysates from Jurkat cells, using MBD3 Antibody. The lane on the right is blocked with the synthesized peptide.





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Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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